



भारत का राजपत्र

The Gazette of India

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PUBLISHED BY AUTHORITY

सं० 4] नई दिल्ली, शनिवार, जनवरी 22, 1977 (माघ 2, 1898)
No. 4] NEW DELHI, SATURDAY, JANUARY 22, 1977 (MAGHA 2, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS & DESIGNS

Calcutta, the 22nd January 1977

SPECIAL NOTICE

In partial modification of the list of holidays for 1977 to be observed by The Patent Office, Calcutta, published in Part III, Section 2 of the Gazette of India, dated 18th December, 1976 under the heading "SPECIAL NOTICE", the following amendment shall be made therein:—

Delete : SREE PANCHAMI, MONDAY, THE 24TH JANUARY

and

Insert : 6TH BIRTH CENTENARY OF GURU RAVIDAS, FRIDAY, THE 4TH FEBRUARY.

The following notification published in the Gazette of India Part II, Section 3(ii), dated the 30th October, 1976 at page 3783 is reproduced below.

MINISTRY OF INDUSTRY AND CIVIL SUPPLIES (DEPARTMENT OF INDUSTRIAL DEVELOPMENT)

New Delhi, the 30th September 1976

S.O. 3910.—In exercise of the powers conferred by Section 152 of the Patents Act, 1970 (39 of 1970), the Central Government hereby makes the following amendments in the notification of the Government of India in the late Ministry of Industry and Civil Supplies (Department of Industrial Development) No. S.O. 2819 dated the 30th August, 1975 namely :—

In the said notification under the heading '3, Bihar', in the entries against Ranchi, for the existing entry in the

second column, the following entry shall be substituted, namely :

"Deputy Manager,
Engineering Department,
Heavy Machine Building Plant,
Heavy Engineering Corporation Limited Dhurwa,
Ranchi."

[F. No. 18(28)/76-P&C]

R. R. PAHWA, Under Secy.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

16th December 1976

2211/Cal/76. Dalmia Institute of Scientific & Industrial Research and Orissa Cement Limited. Metal reinforced chemically bonded basic refractory bricks.

2212/Cal/76. Esseltepac Aktiebolag. Method and apparatus for packing products in substantially oxygen free atmosphere.

2213/Cal/76. Hoechst Aktiengesellschaft. Improvements in or relating to resin coated metal substrates.

2214/Cal/76. Simms Group Research & Development Limited. Electromagnetic devices. (January 22, 1976). [Addition to No. 347/Cal/75].

2215/Cal/76. Jeep Corporation. Transfer case.

2216/Cal/76. American Cyanamid Company. Reduced mammalian dermal toxicity of soil insecticidal compositions coated with shellac.

2217/Cal/76. The Air Preheater Company Inc. Sealing plate support.

2218/Cal/76. Societa' Italiana Telecomunicazioni Siemens S.P.A. Sectioning tap block for telecommunication systems.

17th December 1976

2219/Cal/76. Somnath Roy. Improvements in or relating to withering of green tea leaves.

2220/Cal/76. Catalysts and Chemicals Inc. An adsorbent for removing chlorine compounds from industrial fluid streams. [Divisional date December 12, 1974].

2221/Cal/76. U. Kejriwal. Improvements in/or relating to grinding media and a method for making the same.

2222/Cal/76. American Flange & Manufacturing Co. Inc. Threaded closure.

2223/Cal/76. Magnesium Elektron Limited. Magnesium alloys. (December 17, 1975).

2224/Cal/76. Wavin B. V. Plastics pipe having a wall with lengthwise extending channels. (October 1, 1976).

18th December 1976

2225/Cal/76. Magnesium Elektron Limited. Magnesium alloys. (December 22, 1975).

2226/Cal/76. Bunker Ramo Corporation. Electrical connector insert retention assembly.

20th December 1976

2227/Cal/76. R. S. Pandey. Pre-stressed metallic structures/ frame work etc.

2228/Cal/76. Yaesu Honsha Co. Ltd. Unpolished rice processing device. (August 31, 1976).

2229/Cal/76. Dalmia Institute of Scientific & Industrial Research and Orissa Cement Limited. Method of manufacturing basic refractories.

2230/Cal/76. Patlico Rights N. V. An apparatus for recovering solar energy.

2231/Cal/76. M. Streicher. A displacement pump.

2232/Cal/76. Siemens Aktiengesellschaft. Actuators for operating control devices.

2233/Cal/76. Neyric-Creusot Loire and Compagnie Nationale Du Rhone. A method of and a device for controlling the operation of a water turbine.

2234/Cal/76. Stauffer Chemical Company. Encapsulation by entrapment.

2235/Cal/76. OY W. Rosenlew AB. Method and apparatus for the separation and recovery of furfural and organic volatile acids, such as acetic acid and formic acid, from the process of preparation of furfural.

21st December 1976

2236/Cal/76. Telefonaktiebolaget L M Ericsson. Arrangement to indicate signals having a length exceeding a limit value.

2237/Cal/76. Globe-Union Inc. High strength lead alloy.

2238/Cal/76. G. Kabra. A toxic gas sensor.

2239/Cal/76. G. Kabra. An adaptor.

22nd December 1976

2240/Cal/76. Westinghouse Electric Corporation. Low voltage vacuum shorting switch.

2241/Cal/76. Westinghouse Electric Corporation. Low voltage vacuum switch and operating mechanism.

2242/Cal/76. Contraves A.G. An assembly which can be used as a ramp. (October 22, 1976).

2243/Cal/76. Contraves A.G. A combination of a vehicle and an electrical power generating set. (October 22, 1976).

2244/Cal/76. Jean-Yves K-Gall (known as Jean-Yves Kergall). Waterproff covering device, especially for terraces, and means for manufacturing it.

2245/Cal/76. Fisons Limited. Process. (December 24, 1975).

2246/Cal/76. UOP Inc. Systematized method and control of fractionation heat balance.

2247/Cal/76. UOP Inc. Fractionation heat balance control system.

2248/Cal/76. Dorr-Oliver Incorporated. Refractory construction done for fluidized bed reactor.

2249/Cal/76. Carrier Corporation. Improvements in reciprocating compressors.

2250/Cal/76. Bayer Aktiengesellschaft. Benz- [c. d]-indolyl compounds.

2251/Cal/76. Hugheia Aircraft Company. Digitally tuned timepiece.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

6th December 1976

427/Bom/76. Konkan Chemicals Private Ltd. Process of obtaining high purity paraformaldehyde.

7th December 1976

428/Bom/76. Nautamix Patent AG. A device for mechanically operating on substance in a container. (September 23, 1976).

9th December 1976

429/Bom/76. L. J. Vakani. Puncture powder for all types of tube.

10th December 1976

430/Bom/76. D. J. Baburao. Adjustable tip centre drill.

431/Bom/76. S. G. Khambatti (2) M. G. Khambatti and Mrs. Batul Fazle Abbas Khambatti. A method and an apparatus for differentiating gems.

432/Bom/76. Hoechst Pharmaceuticals Limited. Isolation of *Streptomyces Rubrohygrostaticus* nov. sp. and the production of Hygrostatin therefrom.

433/Bom/76. Hoechst Pharmaceuticals Limited. Pyrimido (6, 1-a) isoquinolin-2-one derivatives.

434/Bom/76. P. C. Vora. New hanger for sarees, trousers and like garments.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

13th December 1976

250/Mas/76. K. M. Rao. Water manometer.

251/Mas/76. Dr. Rabindernath and N. Venkateshwara Rao. Portadent.

14th December 1976

252/Mas/76. C. F. Munshi. A gear pump.

253/Mas/76. IDL Chemicals Limited. Improvements in or relating to the jointing of aluminium conductors with steel reinforcement.

254/Mas/76. P. A. Chengappa. An apparatus for rapidly solidifying a molten substance to a desired shape for non-adherently packing the same in a container. [Addition to No. 49/Mas/73].

255/Mas/76. P. A. Chengappa. An apparatus for and a method of rapidly solidifying a molten substance to a desired shape for non-adherently packing the same in a container. [Addition to No. 49/Mas/73].

256/Mas/76. P. A. Chengappa. An apparatus for rapidly solidifying a molten substance to a desired shape for non-adherently packing the same in a container. [Addition to No. 49/Mas/73].

257/Mas/76. Sundaram-Clayton Limited. A vehicle braking system.

258/Mas/76. Sundaram-Clayton Limited. A pneumatic windoff device for use in vehicle braking systems.

17th December 1976

259/Mas/76. T. V. Ramanujam. A multipurpose electric lighter.

18th December 1976

260/Mas/76. G. Muthusamy. Process for the production of lower groups of carbonaceous fuels.

ALTERATION OF DATE

141109. } Ante-dated 21st August, 1973.
1357/Cal/75. }

141118. } Post-dated 16th June, 1975.
124/Bom/74. }

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification respectively".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kitan Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the Specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 154D & 155C. 141108.

Int. Cl. D21f 2/00, D04h 1/10.

PAPER MAKERS' WET FELTS.

Applicant: SCAPA-PORRITI LIMITED, OF CARTMELL ROAD, BLACKBURN, LANCASHIRE, ENGLAND.

Inventor: GORDON ASHWORTH.

Application No. 960/Cal/74 filed April 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims.

A paper makers' felt, for accepting water from a wet web of paper comprising a endless belt formed from a body of non-woven fibrous material, characterised in that, said body of fibrous material has a surface layer which is hydrophobic in that it gives rise to a surface energy of less

than 33 dynes/cm. and a backing layer which is thicker and of greater water take-up capacity than the surface layer.

CLASS 32F: b.

141109.

Int. Cl. C07d 51/48.

A PROCESS FOR PREPARING 2-AMINO-QUINAZOLINES.

Applicant: PFIZER CORPORATION, OF CALLE 151, AVENIDA SANTA ISABEL, COLON, REPUBLIC OF PANAMA, AND HAVING A COMMERCIAL ESTABLISHMENT AT 102 RUE LEON THEODOR, JETTE, BRUSSELS 9, BELGIUM.

Inventors: JOHN CHRISTOPHER DANILEWICZ, JOHN EDWARD GLYN KEMP AND JAMES ROBERT WRIGHT.

Application No. 1357/Cal/75 filed July 11, 1975.

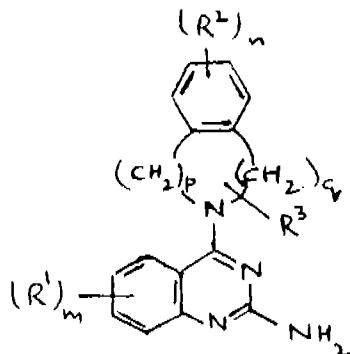
Convention date September 9, 1972/(41992/72) U.K.

Division of Application No. 1920/Cal/73 filed August 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for preparing a 2-amino-quinazoline compound of the formula V.



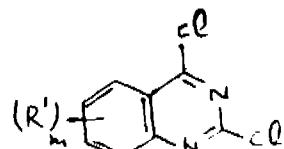
in which $(R^1)_m$ represents from 1 to 3 substituents, each R^1 being a hydroxyl, benzyloxy or lower alkoxy group and m being 1 to 3, or two of the moieties R^1 constituting a lower alkyleneoxy group attached to adjacent positions of the benzene ring portion of the quinazoline nucleus;

$(R^2)_n$ represents from 1 to 3 substituents, each R^2 being a halogen atom or a hydroxy, lower alkyl, lower alkoxy, lower alkenoxy, aryloxy, nitro, amino, acylamino or lower alkoxy-carbonylamino group, n being 1 to 3, with the proviso that $(R^2)_n$ can be or contain only a single nitro, acylamino or lower alkoxy-carbonylamino group, or two of the moieties R^2 constituting a lower alkyleneoxy group attached to adjacent position of the benzene ring portion of the benzofused heterocyclic group;

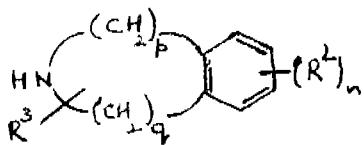
p and q are each 0 to 4, with the proviso that $p+q$ equals 2 to 4; and

R^3 is a hydrogen atom or a lower alkyl group attached to any one of the substitutable carbon atoms of the heterocyclic portion of the benzofused heterocyclic group; and their pharmaceutically acceptable acid addition salts;

characterized by reacting an appropriately substituted 2,4-dichloroquinazoline of the formula II.



in which $(R^1)_m$ is as defined above, but R^1 is not hydroxyl, with an appropriately substituted benzo-fused heterocyclic compound of the formula III.



in which R^2 , R^3 , n , p and q are as defined above, but R^2 is not amino, acylamino or lower alkoxycarbonylamino and reacting the formed compound with ammonia and hydrogenating by methods as herein described a compound of formula V in which R^1 is benzyloxy or R^2 is nitro, and if desired, forming the acid addition salts by methods as described herein.

CLASS 32F, & F, b, & 60X,d.

141110

Int. Cl-C07d 51/08.

PROCESS FOR THE MANUFACTURE OF 4-HYDROXYCINNOLINE DERIVATIVES.

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILL-BANK, LONDON SW1P 3JF, ENGLAND.

Inventor : JOHN PRESTON AND AUSTIN JOHN REEVE.

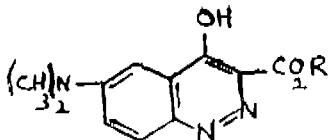
Application No. 2074/Cal/75 filed October 28, 1975.

Convention date November 7, 1974/(48205/74) U.K.

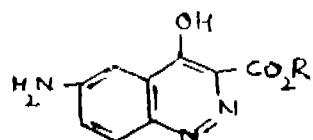
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A process for the manufacture of a compound of the formula I.



wherein R stands for hydrogen or a C_{1-4} -alkyl radical, and pharmaceutically-acceptable salts thereof, which comprises reacting a compound of the formula II.



wherein R has the meaning stated above, with formaldehyde and formic acid, whereafter, if desired, the product is converted into a pharmaceutically-acceptable salt by known methods such as herein described.

CLASS 2B_a & 168F.

141111.

Int. Cl-G09f 7/00.

AN ELECTRICALLY OPERATED NUMERICAL DISPLAY DEVICE.

Applicant & *Inventor* : MRS. MANJUSHA ARUN MUNGI, 1252, SUBHAS NAGAR, LANE NO. 5, VIRAJ, POONA 411 002, STATE OF MAHARASHTRA, INDIA.

Application No. 281/Bom/73 filed August 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

12 Claims.

A numerical display device for the display of segmented english numbers, comprising of (i) a control unit having a plurality of sets of piano-type band change switches, each set representing the english numbers from zero to nine, the switches so interconnected that on the operation of one of the switches in each set a requisite number of parallel circuits are either opened or closed (ii) a multi-core cable connecting the control unit to a display device unit (iii) a display device unit having a plurality of sets of segments corresponding to the english numbers, the segments possessing illuminating means in electrical connection with a corresponding set of switches on the control unit, through the multi-core cable, such that on the operation of one of the switches in each set on the control unit, a definite number and sequence of illuminating means in the segments are in the circuit or out of it in a corresponding set of segments, the illuminated segments giving rise to the display of a particular english number corresponding to the switch operated on the control unit (iv) means for the instantaneous changing from one number to another.

CLASS 32C.

141112.

Int. Cl-A61k 17/18, 19/00, 27/00.

METHOD OF PURIFYING AN AQUEOUS SOLUTION OF UROKINASE.

Applicant : CHOAY S.A., OF 48, AVENUE THEOPHILE GAUTIER, 75-PARIS (16EME), FRANCE.

Inventors : EDMOND GUY VAIREL, JEAN GOULAY AND JEAN GHOAY.

Application No. 2122/Cal/73 filed September 17, 1973.

Convention date September 22, 1972/(44003/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of purifying an aqueous solution of urokinase which comprises providing in the solution a concentration of ammonium sulphate sufficient to precipitate pyrogenic substances but insufficient to cause precipitation of a substantial proportion of the urokinase and recovering supernatant liquid containing urokinase.

CLASS 65B & 68D & 69-I & 133A & B.

141113.

Int. Cl-H05k 5/00, 7/00, H01h 9/00, H01f 27/00.

ARRANGEMENT FOR COOLING ELECTRICAL APPARATUS INSIDE A CASING FILLED WITH OIL.

Applicant : DANFOSS A/S., NORDBORG DENMARK.

Inventor : KJELD LEHMANN.

Application No. 361/Bom/73 filed November 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims.

An arrangement for cooling electrical apparatus in which a large number of electrical components are arranged in a casing filled with oil, characterized in that, a number of components (16—19) are arranged on two plates (20 and 21) which are each disposed substantially parallel to and at a distance from oppositely disposed side-walls (2) and (3) of the casing and which terminate at a distance from the base (4) of the casing and the casing being filled with oil for circulation between the side walls (2) and (3) and plates (20) and (21), the smaller components such as rectifiers and resistors being arranged on the plates (20) and (21), and larger components such as chokes (14) and transformers (15) being arranged between the said plates the said plates (20—21) and the larger components 14 and 15 being attached to a subframe (13).

CLASS 140A.

141114.

Int. Cl-C10m 1/00.

LUBRICANT OIL COMPOSITIONS.

Applicant : THE LUBRIZOL CORPORATION OF BOX 3057 EUCLID STATION, CLEVELAND, OHIO 441117, UNITED STATES OF AMERICA.

Inventor : ZENOWIE MICHAEL HOLUBEC.

Application No. 2505/Cel/73 filed November 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

In a lubricating oil composition comprising (A) 95 to 30 weight percent of a base oil having a viscosity of 40 to 2000 SUS at 100°F and (B) at least one extreme pressure agent as herein described in an amount sufficient to impart extreme pressure properties thereto, the improvement in said composition comprising incorporating therein (C) five to 70 weight percent of at least one oil-soluble homopolymer of a non-aromatic monoolefin having at least three carbon atoms, said polymer having a number average molecular weight of 750 to 10,000 and present in an amount so as to allow the lubricating oil composition to be multigraded according to SAE standards in the multigrade range between SAE 75W and SAE 250 and if desired containing 0.01 to 5 weight percent of at least one pour point depressant.

CLASS 172D₃ & D₄.

141115.

Int. Cl-D01h 7/00.

IMPROVEMENTS IN OR RELATING TO FLYERS FOR SPINNING AND TWISTING MACHINES.

Applicant : STAR TEXTILE ENGINEERING WORKS LIMITED, AT DHANRAJ MAHAL, CHHATRAPATI SHIVAJI MAHARAJ MARG, BOMBAY-400-001, STATE OF MAHARASHTRA, INDIA.

Inventors : SURESH MANHARLAL MEHTA, VINAYAK ANANT WAKANKAR, AND REMESH JANARDAN PHATAK.

Application No. 49/Bom/74 filed February 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

An improved cylindrical flyer, as hereinbefore defined, for machines for spinning and twisting fibres like jute, characterized in that the yarn after coming out of an opening in the upper region of the flyer wall is made to pass along a vertical channelled guide made of a wear-resisting material and affixed to the flyer wall leading the yarn to another opening near the bottom of the flyer wall on its way to the bobbin positioned in the hollow of the flyer, the channelled guide and the two openings being in vertical alignment.

CLASS 172D₃.

141116.

Int. Cl-D01h 1/00, B65h 59/00.

IMPROVEMENTS IN DEAD SPINDLE ASSEMBLY FOR TEXTILE SPINNING OR TWISTING MACHINE FOR USE IN CONJUNCTION WITH FLYERS.

Applicant : STAR TEXTILE ENGINEERING WORKS LIMITED, AT DHANRAJ MAHAL, CHHATRAPATI SHIVAJI MARG, BOMBAY-400-001, STATE OF MAHARASHTRA, INDIA.

Inventors : SURESH MANHARLAL MEHTA, VINAYAK ANANT WAKANKAR AND RAMESH JANARDAN PHATAK.

Application No. 50/Bom/74 filed February 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims.

An improvement in dead-spindle assembly, as hereinbefore defined, for textile spinning and twisting machine for use in conjunction with a two-legged or a cylindrical flyer, as the case may be, the improvement comprising an assembly of a spacer, an anti-friction thrust bearing and a compression spring in that order, the bobbin resting on the spacer, the assembly adapted to make the friction pads fixed to the under surface of the bobbin-carrier rest lightly upon the platform of the spindle-base when the unwound bobbin is placed on the bobbin-carrier.

CLASS 98D & 150G.

141117.

Int. Cl-F17d 1/00, F24d 17/00.

FITTINGS FOR CONNECTING A HEATING UNIT TO THE SUPPLY LINE.

Applicant : DANFOSS A/S., NORDBORG, DENMARK.

Inventor : JENS JORGEN MOLBEEK.

Application No. 117/Bom/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims.

A connecting means for a heating unit for a hot-water heating installation, which means has a connecting fitting which has a first port for connexion to the feed line of the installation, a second port extending parallel to and alongside the first for connexion to the return line of the installation, a third port communicating with the first port for connexion of the inlet pipe of an adjusting valve fitting to be connected to the inlet opening of the heating unit, and a fourth part communicating with the second port for connexion to the outlet-opening of the heating unit, characterized in that an externally actuated shut-off valve (31) is fitted in the connexion (29) between the second port (6) and the fourth port (14).

CLASS 208.

141118.

Int. Cl-B43k 27/10.

TWIN PEN.

Applicant & Inventor : SHASHIKANT VITTHALRAO JOSHI, FLAT NO. 10, BLOCK 41, F.R.P. COLONY, BOISAR (401504) DIST-THANA MAHARASHTRA, INDIA.

Application No. 124/Bom/74 filed March 30, 1974.

Post-dated 16th June, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A twin pen consisting of a main barrel proper to which a nib holder or nozzle carrying a tongue and two nibs in parallel relationship with each other and carrying a supplementary barrel is fitted, said supplementary barrel being located within said main barrel proper and characterised in that said tongue carries a longitudinally extending first groove on its one side and a longitudinally extending central bore opening into the other opposite side of said first groove, the arrangement of the barrels being such that the supply of ink to the first of said nibs is by capillary action from the main barrel proper via said first groove and the supply of red or coloured ink to the other of said nib is by capillary action from said supplementary barrel via said central bore in the tongue.

CLASS 107D & 163A.

141119.

Int. Cl-F01b 9/00.

PISTON CRANK ENGINES.

Applicant & Inventors : GANAPATHY SIVA SUBRAMANIAM (2) SUBRAMANIAM NATARAJAN (3) MRS. JAYALAKSHMI GANESHAN, (4) SUBRAMANIAM ASOKAN, (5) SUBRAMANIAM VEERARAGHAVAN AND (6) SUBRAMANIAM GANAPATHY, AT G-79, SECTOR-1, NEW INDUSTRIAL TOWN, FARIDABAD, (HARYANA), INDIA.

Application No. 668/Cal/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A piston crank engine consisting of at least one piston adapted to work within a cylinder, said piston having at least two connecting rods held thereto on opposite surfaces and externally of said piston, a first means connected to said connecting rods, a second means adapted to cooperate with said first means, a crankpin rotatably held to said second means, said first and second means allowing linear harmonic motion of the connecting rods to be maintained and which said motion is transferred to circular motion of the crankpin and vice versa through said first and second means.

CLASS 107D & 163A.

141120.

Int. Cl-F01b 9/00.

PISTON CRANK ENGINES.

Applicant & Inventors : GANAPATHY SIVA SUBRAMANIAM, (2) SUBRAMANIAM NATARAJAN, (3) MRS. JAYALAKSHMI GANESAN, (4) SUBRAMANIAM ASOKAN, (5) SUBRAMANIAM VEERARAGHAVAN AND (6) SUBRAMANIAM GANAPATHY, AT G-79, SECTOR-1, NEW INDUSTRIAL TOWN, FARIDABAD. (HARYANA), INDIA.

Application No. 669/Cal/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A piston crank engine comprising a piston adapted to work within a cylinder which consists of a first, a second and a third part and said first part of the cylinder being held to crank case, a collar being provided in said first part for holding the second part and a collar being provided in said third part adapted to be in engagement with said second part and at least two connecting rods are provided on opposed and outer surfaces of said piston.

CLASS 107K & 195B.

141121.

Int. Cl-F16k 17/00.

NON-RETURN VALVE.

Applicant & Inventors : GANAPATHY SIVA SUBRAMANIAM, (2) SUBRAMANIAM NATARAJAN, (3) MRS. JAYALAKSHMI GANESAN, (4) SUBRAMANIAM ASOKAN, (5) SUBRAMANIAM VEERARAGHAVAN AND (6) SUBRAMANIAM GANAPATHY, AT G-79, SECTOR-1, NEW INDUSTRIAL TOWN, FARIDABAD. (HARYANA), INDIA.

Application No. 670/Cal/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A non-return valve capable of providing a uni-directional flow of fluids comprising a sleeve, a hollow valve stem slidably engaging within said sleeve and capable of being displaced in said sleeve, a plurality of openings provided in said stem and such that in a first position the sleeve is displaced whereby the openings are not obstructed by the sleeve thereby allowing a flow of the fluid in a first direction whereas in a second position the sleeve is displaced such that the openings are obstructed by the sleeve thereby preventing a flow of fluid in a second direction, a first member disposed inwardly of said hollow stem at the discharge end of said valve stem, said member having a substantially parabolic or curved section.

CLASS 68E, & 195D.

141122.

Int. Cl-F16k 31/00.

ELECTROMAGNETIC ACTUATOR.

Applicant & Inventors : GANAPATHY SIVA SUBRAMANIAM, (2) SUBRAMANIAM NATARAJAN, (3) MRS. JAYALAKSHMI GANESAN, (4) SUBRAMANIAM

ASOKAN, (5) SUBRAMANIAM VEERARAGHAVAN AND (6) SUBRAMANIAM GANAPATHY, AT G-79, SECTOR-1, NEW INDUSTRIAL TOWN, FARIDABAD. (HARYANA), INDIA.

Application No. 671/Cal/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An electromagnetic actuator comprising at least a first and second winding independent to each other, a plunger capable of being displaced in response to the energization of said coils, and means provided for rendering only one of said coils in a state of energization at any one time.

CLASS 107K.

141123.

Int. Cl-F16k 45/00.

AN EXHAUST VALVE FOR AN INTERNAL COMBUSTION ENGINE.

Applicant & Inventors : GANAPATHY SIVA SUBRAMANIAM, (2) SUBRAMANIAM NATARAJAN, (3) MRS. JAYALAKSHMI GANESAN, (4) SUBRAMANIAM ASOKAN, (5) SUBRAMANIAM VEERARAGHAVAN AND (6) SUBRAMANIAM GANAPATHY, AT G-79, SECTOR-1, NEW INDUSTRIAL TOWN, FARIDABAD. (HARYANA), INDIA.

Application No. 672/Cal/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An exhaust valve for an internal combustion engine having a head adapted to sit on a seat provided in the cylinder head of said engine, actuating means for actuating said valve, and a spark plug or a fuel injector provided with said valve.

CLASS 101-F & H.

141124.

Int. Cl-E02b/3/00, 7/00, 13/00.

IMPROVEMENTS IN OR RELATING TO FIELD INLET FOR ALLOWING CANAL WATER TO FLOW INTO THE FIELDS.

Applicant : MIT-N-MIR, AT CHANDRADEEP APARTMENT, RANGILDAS MEHTA SHERI NAKA, GOPIPURA, SURAT, GUJARAT, INDIA.

Inventors : NAVINCHANDRA FAKIRCHAND ZAVERI.

Application No. 143/Boin/74 filed April 8, 1974.

Post-dated 23rd June, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A field inlet unit of pre-fabricated pre-cast monolithic concrete structure for allowing canal water to flow and for controlling the flow of water into fields, consisting of a pair of parallelly spaced side wings 2A-2B, each said wing carrying a vertically extending groove 3A-3B on its inner surface near its middle and its front side being tapered to form a tapering edge 2C and the bottom edge of said tapering being extended vertically downwards to form a leg 2D, and a bottom slab 4 provided along a horizontal plane connecting the said two side wings 2A-2B so as to provide an open space 2E below said slab 4, and a partition panel 5 slidably mounted within the said registered pair of grooves 3A-3B formed in the side wings 2A-2B for controlling the flow of water passing there through from a canal into a field, characterised in that the outer surfaces of the said side wings 2A-2B are provided with integrally formed vertically extending ribs 7 which are capable of getting anchored into the sub-soil foundation and prevent the field inlet unit 1 from being displaced from its foundation.

CLASS 48A₁ & 69-J.

141125.

Int. Cl-H01b 1/02, 5/00.

AN IMPROVED METHOD FOR THE MANUFACTURE OF SILVER CADMIUM OXIDE ELECTRICAL CONTACT MATERIALS.

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA).

Inventors : S/SHRI UNIKOT GOVINDAN KUTTY MENON, NELLYMOOD THOMAS GEORGE, SAMAVEEDAM LAKSHMI NARASIMH ACHARYULU, BEVARA VENKATESWARA RAO.

Application No. 795/Cal/74 filed April 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Process for manufacture of an improved silver cadmium oxide electrical contact material which comprises

- (i) preparing starting material by co-precipitation of fine silver cadmium compounds with carbonate;
- (ii) siring the precipitated compounds at a temperature from about 300 to about 800°C to convert the precipitated powder a mixture of metallic silver powder and cadmium oxide powder;
- (iii) pressing the obtained mixture and sintering into blocks and hot and cold working the same to desired ductile strip, rod or wire.

CLASS 40F.

141126.

Int. Cl-C07b 3/00.

PARTIAL OXIDATION OF ORGANIC COMPOUNDS AND AN APPARATUS THEREFOR.

Applicant : SNAMPROGETTI S.P.A., OF CORSO VENZIA 16, MILAN, ITALY.

Inventors : CARLO CURTARELLI, BRUNO DE MAGLIE AND ALBERTO SALA.

Application No. 1048/Cal/74 filed May 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims.

A process for partially oxidizing an ethylenically unsaturated organic compound in the vapour phase with oxygen or a gaseous mixture including oxygen, which process comprises (a) passing a mixture of (i) the ethylenically unsaturated organic compound and (ii) oxygen or a gaseous mixture including oxygen through a heating zone containing bodies of inert materials, inert both to the ethylenically unsaturated organic compound and to oxygen or said gaseous mixture, so as to cause, by means of heat exchange, the temperature of the mixture of (i) and (ii) to be in the range from 100°C to 300°C; (b) passing the heated mixture through a reaction zone which contains an oxidation catalyst and in which the oxidation of the ethylenically unsaturated organic compound is carried out, the reaction zone being contiguous to the heating zone without any break in continuity; and (c) passing the resulting reaction products from the reaction zone through a cooling zone in which the products are cooled by means of heat exchange to a temperature lower than 150°C, the cooling zone being contiguous or not contiguous to the reaction zone and containing or not containing bodies of inert material, and the heat withdrawn in the cooling zone being utilized in the heating zone.

CLASS 127-I.

141127.

Int. Cl-F16d 1/06.

FRICTION OVERLOAD COUPLING.

Applicant & Inventors : JEAN ERNST KOPP, OF MEYRIEZ/MURTEM, SWITZERLAND.

Application No. 2491/Cal/74 filed November 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An elastic friction coupling composed of two coupling halves mounted at shafts and friction bodies arranged therebetween, both coupling halves are pressed against one another with spring force for transmitting a rotational moment, and wherein at the one coupling half there is fixedly mounted against rotation a ring-shaped element and biased in axial direction by spring force against the last-mentioned coupling half, and wherein components of the second coupling half are arranged between the first coupling half and its ring-shaped element, the improvement comprising the provision of screws for detaching the ring-shaped element from the first coupling half so as to be able to exchange the friction bodies of segment-shaped provided at least at one of the coupling halves without having to displace the coupling halves at their shafts or dismantle such coupling halves, and that said screws are arranged at the region of the outer periphery of the friction coupling and carry springs as entrainment means for the ring-shaped element.

CLASS 32E & 40A₃ & 152E.

141128.

Int. Cl-C08f 25/00.

PROCESS AND DEVICE FOR PREPARING COPOLYMERS OF TRIOXANE.

Applicant : HOECHST AKTIENGESELLSCHAFT, 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : GUNTER SEXTRO, KARLHEINZ BURG AND KLAUS DURICHEN.

Application No. 2686/Cal/74 filed December 4, 1974.

Addition to No. 2756/Cal/73.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for preparing copolymers of trioxane by polymerization of 99.9 to 90 wt.% of trioxane and 0.1 to 10 wt.% of a cyclic acetal such as herein described in the presence of a cationically active catalyst such as herein described which comprises rapidly and homogeneously mixing said trioxane, cyclic acetal and catalyst at a temperature from 62°C to 115°C, solidifying the liquid mixture by chilling it on a cooled roll immediately after mixing and prior to the mixture becoming turbid, and heating to a temperature of about 62 to 130°C while it is maintained in a solidstate to substantially complete said polymerization.

CLASS 32F_na.

141129.

Int. Cl-C07c 59/00.

FERMENTATION PROCESS FOR THE PRODUCTION OF CALCIUM GLUCONATE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : CHARANJITLAL CHOPRA, GHULAM NABI QAZI, CHAND NARAIN GAIND, FAQIR CHAND GUPTA AND CHAD KUMAR ATAL.

Application No. 118/Cal/75 filed January 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A process for the production of calcium gluconate by submerged fermentation process using glucose as the basic carbohydrate source characterised in that a "uv-mutant of *Aspergillus niger*" obtained as follows is used for carrying out the fermentation : a wild strain of *Aspergillus niger* was isolated from the soil, this strain was further exposed to ultra violet light to cause mutations for better production of

gluconic acid, a large number of mutants were tested and one showing stable character for gluconic acid production was isolated.

CLASS 40F & 84A.

141130.

Int. Cl.-C10I 9/02, E21c 43/00.

REACTION OF SOLID MATERIALS IN DEEP FLUIDISED BEDS.

Applicant : FIVES-CAIL BABCOCK, 98, RUE MONTALIVET, 75383 PARIS CEDEX 08, FRANCE.

Inventors : CHRISTINE DEVOS, JEAN-PAUL GEORGES CHRISTOPHE PAYET-GODEL, PIERRE-ANTOINE LOUIS ALBERT GABRIELLI, AND OLIVIER NORBERT ANDRE GABRIELLI.

Application No. 546/Cal/75 filed March 19, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for subjecting solid materials in granule form and held in fluidised suspension in a deep bed, to reaction at a temperature which causes self-agglomeration of products of the reaction and deposition of agglomerates at a bottom of the bed, characterised in that the materials are distributed between a deep main bed and a contiguous secondary bed shallower than the main bed, which beds communicate with one another at bases thereof through a concealed passage and which rest on a support which is inclined to the horizontal at least at a portion thereof beneath a portion of the secondary bed, said beds are maintained in a fluidised state and in hydrostatic equilibrium, and the agglomerates are caused to move on the support, with an ascending movement at least over a portion of the length of the secondary bed, to pass from the main bed to the secondary bed and to be evacuated through a free surface of the latter following the inclined portion of the support, towards a gas-tight outlet.

CLASS 80-I.

141131.

Int. Cl.-B01d 25/00.

AN IMPROVED FUEL FILTER.

Applicant & Inventor : RAVINDRA KESHAV MAHARAO, 71/A, ERANDAWANA, 'GURUKRUPA' BUNGALOW PRABHAT ROAD, LANE NO. 15, POONA-411 004, MAHARASHTRA STATE, INDIA.

Application No. 132/Bom/75 filed May 19, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

An improved fuel filter comprising an outer cup in which there is housed a filter element assembly consisting of a top cover with one centrally located outlet and another side-wardly located inlet; a central hollow spindle, welded on the underside of said top cover, the said spindle being provided with perforations, there being mounted a mesh with finer perforations over the said perforated spindle which is provided with suitable threads for tightening a pressure plate from below, the said pressure plate being provided with an extended shank with threads and projecting out of the said cup for being tightened with the help of a fly nut, the said filtering element is made up of laminations of felt made from compressed wool or laminations of such porous material to form a pack, being capable of compression by tightening the said pressure plate to adjust the compression of filtering element.

CLASS 61A & G & H & 98D & E.

141132.

Int. Cl.-F26b 17/14.

A MIXER-CUM-DRYER OF DEHYDRATOR.

Applicant & Inventor : BAWANT DAMODAR BHOSALE, 105, SUKRAWAR PETH NEAR BADAMI HOWD, POONA-411 002, MAHARASHTRA STATE, INDIA.

Application No. 160/Bom/75 filed June 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A mixer-cum-drier or dehydrator comprising three units—(1) a mechanised high pressure blower with a pressure gauge, relief valve and gate valve; (2) a heating chamber, (3) a mixing-cum-drying or dehydrating tower, characterised in that the said blower sends a draft of air towards the inlet of heating chamber the said heating chamber being provided with baffle plate creating sub-chambers in the said heating chamber and in the said sub-chambers there were further fitted strip finned electric heaters or as a variation the heating chamber may consist of an oil or a gas or coal or husk fired heating appliance, the said draft of air gets sufficiently heated and the same is delivered through an outlet of the said heating chamber, which further being connected to the inlet of the mixing-cum-drying or dehydrating tower comprising an outer shell with an inlet hopper at the top, within the said outer shell there being provided an inverted 'U' type tubular drying or dehydrating chamber in which the raising arm called fluidisation chamber is narrower than the other arm called expansion chamber, further characterised in that at the entrance or inlet portion of the said drying or dehydrating unit there being provided a sloping baffle to obstruct or narrow down the path of incoming hot air to develop additional pressure through a venturi effect such that the hot air in the form of a storing jet is delivered just below the inlet snout of the grain to be received from the said outer shell filled with grain and due to pressurised hot air the grain falling through the said inlet snout is instantaneously pushed and blown up in the fluidisation chamber such that the grain or the pulse or the material to be mixed or dried remains in the fluidised stage and is further blown over the bend of the said inverted 'U' type tubular chamber to enter the said expansion chamber provided with several openings of its wall, there being provided downwardly sloping plurality of baffles such that the grain or the pulse or the material to be dried or dehydrated falls in a cascade form to get completely dried and thus to be delivered through the outlet snout, further there being provided a cover of perforated sheet around the expansion chamber such that the hot blast of air escapes through the said perforated sheet and preheats the material that is being dumped from the top of the said dehydrating tower.

CLASS 45G.

141133.

Int. Cl.-E03d 1/14.

AN IMPROVED FLUSHING APPARATUS.

Applicant & Inventor : JAMSHED DORABJI ENGINEER, OF MOONLIGHT FLAT NO. 12, 158 M. KARVE MARG, (QUEENS ROAD), BOMBAY-400 020 BR, MAHARASHTRA, INDIA.

Application No. 242/Bom/75 filed September 6, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

An improved flushing apparatus comprising a main water tank provided with a float-controlled water inlet valve, a main siphon unit having a main discharge pipe connected thereto and an operating lever for activating said main siphon unit for the discharge of water from said water tank into the discharge pipe through said main siphon unit; an auxiliary siphon unit having an independent discharge pipe and an operating lever, said auxiliary siphon unit being located in said water tank at the same depth or at the different depth relative to said main siphon unit characterised in that the auxiliary siphon unit is provided with a window towards the upper end thereof for breaking the siphon effect when water falls below the window lever.

CLASS 89 & 98E.

141134.

Int. Cl.-F16t 1/48.

STEAM TRAP TESTING DEVICE.

Applicant : RATHI INDUSTRIAL EQUIPMENT CO. PVT. LTD., 162, DR. AMBEDKAR ROAD, POONA-411 001, MAHARASHTRA STATE, INDIA.

Inventor : CHAINSUKH SOBHACHAND GANDHI.

Application No. 363/Bom/75 filed December 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

A steam trap testing device consisting of a stream separating unit and a condensation unit for condensing the escaped steam, the said steam separator comprising a longitudinally fluted vertical separating element fixedly mounted on a hollow vertical shaft housed in an insulated outer chamber; the inlet of the said insulated chamber being connected to the steam trap under test and the outlet of the same being connected to said condensation unit with an outlet for collecting the condensate.

CLASS 133B.

141135.

Int. Cl-H02h 3/00, H2p 1/00.

A STARTER FOR USE WITH A THREE-PHASE MOTOR.

Applicant & Inventor : HARIOM SATYANARAYAN BHOT OF GANDHI NAGAR, DIST-YEOTMAL, MAHARASHTRA, INDIA.

Application No. 383/Bom/75 filed December 29, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

3 Claims.

A starter for use with a three-phase motor comprising a main contactor having a main coil and three main contacts provided one in each of the three phase lines leading to the motor; a first contactor having a first coil and a first contact, a second contactor having a second coil and a second contact and a third contactor having a third coil and a third contact, said first second and third coils being provided one in each of the three phase lines and said first, second and third contacts being connected in series to form a series circuit which series circuit is connected across any two phase lines through said main coil and in parallel to a normally-OFF switch.

CLASS 146D.

141136.

Int. Cl-G01 1/00.

COMPACT DYNAMIC MULTISTATION PHOTOMETER UTILIZING DISPOSABLE CUVETTE ROTOR.

Applicant : UNITED STATES ATOMIC ENERGY COMMISSION, OF WASHINGTON, DISTRICT OF COLUMBIA 20545, UNITED STATES OF AMERICA.

Inventors : NORMAN GULACK ANDERSON, CARL ALFRED BURTIS, WAYNE FRANK JOHNSON, JAMES CLIFFORD MAILEN, AND CHARLES DAVID SCOTT.

Application No. 2207/Cal/73 filed September 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A compact photometer of the rotary cuvette type comprising :

(a) a power-driven cuvette rotor holder comprising a flat circular base, an annular, upstanding retaining rim integrally fixed to said base, and an axially extending upstanding pin fixed to said base within the radial confine of said rim; said base defining :

(i) a first series of axially extending apertures disposed in a circular array through said base within the radial confine of said rim.

(ii) a second series of axially extending apertures disposed in a circular array through said base without the radial confine of said rim, said apertures in said second series of apertures being equal in number to said apertures in said first series of apertures;

2—427GI/76

(b) a removable cuvette rotor having a circular plate-like configuration disposed on said base within the confine of said rim, said rotor defining a circular array of sample analysis cuvettes in axial register with respective apertures in said first series of apertures;

(c) a movable light source disposed above said cuvette rotor for providing a beam of light incident on said rotor assembly at a point corresponding to the radial position of said sample analysis cuvettes;

(d) means for detecting light from said light source after it has passed through said sample analysis cuvettes, said means for detecting light generating an output signal proportional to the intensity of light detected; and

(e) signal generating means disposed adjacent said rotor holder for detecting the passage of apertures in said second series of apertures.

CLASS 92-I.

141137.

Int. Cl-A01f 7/04, 11/06, 12/00.

IMPROVEMENTS IN OR RELATING TO THRESHING MACHINES.

Applicant : JYOTI LIMITED, OF INDUSTRIAL AREA, P.O. CHEMICAL INDUSTRIES, BARODA 390 003, GUJARAT STATE, INDIA.

Inventors : SHRI GORDHANBHAI CHATURBHAI PATEL AND SHRI KANAIYALAL MANGALDAS PATEL.

Application No. 127/Bom/74 filed April 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

11 Claims.

A threshing machine capable of threshing, winnowing, sieving and bagging a variety of farm crops characterised in that it comprises of :

(i) a cylindrical threshing chamber in the centre of which is disposed a rotating shaft on which are rigidly mounted a plurality of beaters capable of rotating in the said chamber, the said threshing chamber having affixed on its lower surface an adjustable and removable concave through which the threshed grain is allowed to pass through to the next process;

(ii) a winnowing chamber for collecting the separated grain from the threshing chamber in which is disposed a plurality of ports leading to suction fans which suck the light direct, dust, chaff from the falling grain and eject the refuse so sucked through a refuse so sucked through a refuse exhauster, the refuse free grain passing to the next process;

(iii) a sieving unit comprising of a plurality of removable screens mounted on a table capable of reciprocating motion such that only the grain is allowed to pass through the screens whilst larger refuse is retained thereon;

(iv) a bagging unit in which the grain is led through a grain auger into a grain elevator by means of a thrower fan and a continuous supply of grain is emitted therefrom and can be placed in bags;

(v) a belt and pulley arrangement comprising of a plurality of pulleys attached to the rotating shaft of the threshing chamber, the suction fan in the winnowing chamber, the reciprocating table in the sieving unit, the grain auger and the thrower fan in the bagging unit and a plurality of belts therebetween such that by means of a single prime mover such as an electric motor or tractor, the motion of all the pulleys and the consequential operations in each of the aforesaid chambers is simultaneous and continuous and can be adequately controlled.

CLASS 89.

141138.

Int. Cl-G01b 3/34.

IMPROVED SNAP GAUGE.

Applicant : MIKRONIX ASSOCIATES W-10 M.I.D.C. INDUSTRIAL ESTATE, CHINKHALTHANA—AURANGABAD, MAHARASHTRA STATE, INDIA.

Inventor : GIRISH DATTATRAYA HANCHANAL.

Application No. 405/Bom/74 filed November 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

2 Claims.

Improved snap gauge comprising a two part assembly of (1) main body of the snap gauge independently and separately machined and ground having two jaws and slots for filling gauge tips, the said jaws having set of holes for filling epoxy based cement material (2) gauge lips also independently and separately machined and precisely ground; the said tips having hole or holes corresponding to the holes provided in the said jaws; the said tips being inserted in the slots of the jaws of the said snap gauge, such that the holes of the tips match with the holes provided in the jaws, thereafter there being filled epoxy resin based cementing material in the said set of holes and also in the portion of the slots remaining vacant after inserting the said tips; a master gauge is placed through open space between the said jaws, the said master gauge is removed after initial setting of epoxy compound, thereby permanently setting the gauge tips in position.

CLASS 150H.

141139.

Int. Cl.-F161 51/00.

CONNECTING MEANS FOR ADJACENT WALLS OF TWO ABUTTING DUCTS.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : BYRON JOSEPH ROUND AND FIZENS ABOLINS.

Application No. 2783/Cal/73 filed December 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Connecting means for adjacent walls of two abutting ducts, said ducts having adjacent edges subject to relative movement longitudinally of said edges and producing a change in the relative perimeter of said abutting ducts, said connecting means comprise an imperforate plate extending continuously substantially the entire distance between said abutting ducts and including at least one elongated depression therein extending substantially the full extent thereof transverse to the adjacent edges of said abutting ducts, means connecting one edge of said plate in an air-tight manner with one wall of one duct to form an integral extension of said duct wall and means connecting the opposite edge of said plate in an air-tight manner with the adjacent wall of the other duct to form an integral extension of said adjacent wall, said plate being distortable by the application of forces in one direction longitudinally of one edge thereof and forces in the opposite direction lengthwise of the opposite edge thereof and the longitudinal movement of the adjacent edges of the ducts, said connection accommodating relative movement of the adjacent duct walls by shear distortion of said elongated depression and said imperforate plate.

CLASS 81 & 195D.

141140.

Int.Cl.-A62c 37/08.

DISCHARGE VALVE FOR A FIRE EXTINGUISHING SYSTEM.

Applicant : PYROTECTOR INCORPORATED, OF 333 LINCOLN STREET, HINGHAM, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : HOWARD LORIMER TUFTS.

Application No. 447/Cal/74 filed March 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

6 Claims.

A discharge valve for a fire extinguishing system of the type utilizing a container of vaporizable liquid under pressure, said valve having a seat and a piston closing the seat, said piston being slideable in a cylinder toward and away from the seat, the portion of the front face of the piston around the seat being pressurized by the container, the chamber formed on the rear side of the piston by the cylinder and the rear face of the piston being pressurized to maintain the valve closed, means releasing the pressure from the chamber to actuate the valve, the means pressurizing the chamber being so dimensioned that the rate of flow of liquid extinguishant into the chamber when said means releasing the pressure from the chamber is actuated is less than the rate of flow of vaporized extinguishant out of said means.

CLASS 152E & 155B.

141141.

Int.Cl.-C08f 45/34, 39/00, C08g 37/00, 39/10.

A METHOD OF PRODUCING A STABLE SYNTHETIC RESIN COMPOSITION HAVING AN ALKALINE PH.

Applicant : JOHNSON & JOHNSON, AT 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A.

Inventors : ARTHUR HERBERT DREFLICH AND GEORGE JULIUS LUKACS.

Application No. 1281/Cal/73 filed May 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims.

A method of producing a stable synthetic resin composition having an alkaline pH comprising the steps of combining a synthetic resin (as herein described), a polyvalent metal complex coordination compound (as herein described), and a stabilizing agent consisting of a water-soluble ionically active ammonium or alkali metal salt of an acid (as herein described), said polyvalent metal complex coordination compound liberating polyvalent metal cations therefrom in said composition, and said stabilizing agent being chemically converted into an ionically-inactive polyvalent metal salt of said acid by precipitation or sequestration of said polyvalent metal cations thereby stabilizing said composition.

CLASS 56G. & 140B.

141142.

Int.Cl.C10g 27/04.

A PROCESS AND AN EQUIPMENT FOR DESULPHURISATION-GASIFICATION OF HIGH SULPHUR FURNACE OIL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : DR. JITENDRA LAL GHOSE, RANJIT KUMAR CHAKRABARTI, DR. REZAUD HAQUE, DR. MATHUR SRINIVAS IYENGAR.

Application No. 2641/Cal/73 filed December 3, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for the continuous desulphurisation-gasification of high sulphur furnace oil which consists in injecting the oil into a bed of graded (-14 + 36BS) limestone maintained in a reactor at a temperature of $850^{\circ}\text{C} \pm 250^{\circ}\text{C}$ causing (a) gasification of the oil, removal of the sulphur from the gasified oil by the reaction of the sulphur with the lime formed by the decomposition of limestone, and the desulphurised gas is passed through an internal cyclone to free it from solid fines, and (b) yielding CaS which may be regenerated by oxidation to CaO or to CaSO₄.

CLASS 69A & B.

141143.

Int. Cl. II 01h 73/00.

AN IMPROVED MINIATURE CIRCUIT-BREAKER.

Applicant & Inventor : DHAIRYAKANT TRAMBALKAI TRIVEDI, OF SHANTI NIKETAN, 10TH ROAD, KHAR, BOMBAY-400 052, STATE OF MAHARASHTRA, INDIA AND SIDDHARTH NARENDRA BALSARI, OF DURGA PRASAD, 10TH ROAD, KHAR, BOMBAY-400 052, STATE OF MAHARASHTRA, INDIA.

Application No. 395/Bom/73 filed December 4, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

A miniature circuit-breaker, as hereinbefore defined, wherein in the electromagnet surrounding the bi-metal strip is constructed out of a sheet of magnetic metal like soft iron of the shape of an isosceles trapezium bent longitudinally parallelly twice at right angles giving it a U-cross-section, the lower edges of the electromagnet being made parallel and adapted to provide full contact to the armature when attracted by the electromagnet.

CLASS 185E.

141144.

Int. Cl. A23L 3/02.

PROCESS FOR PREPARING A FREE-FLOWING TURBIDITY-FREE TEA POWDER.

Applicant : TENCO BROOKE BOND LIMITED, OF 35 AND 37 CANNON STREET, LONDON, E.C. 4, ENGLAND.

Inventors : ALLEN VARDEN CLARK, ANGELO SALVATOR GIAMMARINO AND GEIR VALBERG GUDNASON.

Application No. 314/Cal/74 filed February 14, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings

A process for preparing a free-flowing turbidity-free tea powder which has a rapid rate of dispersibility and dissolution upon reconstitution in cold water, comprising a combination of steps of

(a) incubating a tea extract with an appropriate amount of enzymic preparation and processing the extract until a cold water soluble tea concentrate of above 51% solids concentration is obtained, and

(b) spray drying the highly concentrated tea extract under conventional spray drying conditions.

CLASS 39L.

141145.

Int. Cl. c22b 1/14.

METHOD OF PRODUCING BURNED PELLETS FROM A MATERIAL WHICH CONTAINS A METAL OXIDE.

Applicant : ELKEM-SPIGERVERKET A/S, O/F ELKEM-HUSET, MIDDELTHUNSGATE 27, OSLO 3, NORWAY.

Inventor : HANS SKRETTING.

Application No. 811/Cal/74 filed April 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A method of making pellets from a material containing a metal oxide which comprises pelletizing the material, drying the thus-obtained raw pellets at a temperature of not more than about 300°C until their moisture content is reduced to below 1.5% by weight and burning the thus dried pellets in a shaft furnace.

CLASS 114D & 155F.

141146.

Int. Cl. C08c 17/20, B29h 9/10.

PROCESS FOR MOISTURE/WATERPROOFING OF CHROMO LEATHER.

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT (GENERAL), RESEARCH & DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, GOVT. OF INDIA, NEW DELHI (INDIA).

Inventors : MR. KALI KUMAR GANGULI AND DR. KAPPAGANTULA JWALA BALAKRISHNA.

Application No. 825/Cal/74 filed April 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

A process for moisture/water proofing of chrome tanned leather which comprises preparing a vulcanized latex from centrifuged Hevea latex in the usual manner, positively charging the said latex in the form of a dispersion by treating it with a cationic soap at a pH of above 8, thereafter treating the leather or leather products with the said positively charged vulcanized latex dispersion such that sufficient quantities of the dispersion is taken up by the leather or leather products whereafter the materials so treated are dried.

CLASS 33C & F.

141147.

Int. Cl. B22d 7/10.

A THERMALLY EXPANDABLE MOULDING FOR THE HEAT RETENTION OF FEEDER HEAD TOP SURFACE.

Applicant : AIKOH CO, LTD., OF NO. 1-39, 2-CHOME, IKENOHATA, TAITO-KU, TOKYO, JAPAN.

Inventor : MASARU TAKASHIMA.

Application No. 889/Cal/74 filed April 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A thermally expandable moulding for the heat retention of feeder head top surface comprising about 3 to 15% by weight of an organic binder, about 3 to 15% by weight of organic fibrous material, and the remainder consisting of a mixture of (i) pulverized charcoal which entirely passes through 10 mm. sieve and (ii) a thermo-expandable material selected from the group consisting of vermiculite, thermo-expandable graphite and mixture thereof. The proportion by weight between said pulverized charcoal and said thermo-expandable material is 1:0.07-2.20 when the particle size of the pulverized charcoal is in the range from 10 mm. to 2 mm., and the proportion is 1:0.10-0.40 when the particle size of the pulverized charcoal is not more than 2 mm.

CLASS 32F.

141148.

Int. Cl. C07c 119/04.

METHOD FOR PREPARATION OF ISOCYANATES.

Applicant : ATLANTIC RICHFIELD COMPANY, OF ARCO PLAZA, 515 S. FLOWER STREET, LOS ANGELES, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : RUDOLPH ROSENTHAL AND JOHN GEORGE ZAJACEK.

Application No. 927/Cal/74 filed April 24, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A method for the production of isocyanates which comprises thermally decomposing an ester of a carbamic acid at from 175°C. to 350°C. while said ester is dissolved in an inert

solvent to produce the isocyanate and alcohol and separately recovering the isocyanate and alcohol, said solvent being a compound which is (a) a solvent for said ester, (b) liquid and stable at said decomposition reaction temperature and (c) non-reactive with said isocyanate produced in said thermal decomposition reaction and being one or more of aliphatic, cycloaliphatic or aromatic hydrocarbons, substituted hydrocarbons, oxygenated compounds selected from the group consisting of ethers, ketones and esters and the sulfur analogues of said oxygenated compounds.

CLASS 126C.

141149.

Int. Cl.-G01r 11/10.

IMPROVEMENT IN DESIGN OF BRAKE MAGNET KILOWATT HOUR METERS OR ENERGY METERS AND METERS OF SINGLE PHASE AND POLYPHASE TYPE.

Applicant & Inventor : NARSINHA GOVIND KAMAT, C/O. BARODA ELECTRIC METERS LIMITED, OF VITHAL UDYOGNAGAR, VALLABH VIDYANAGAR, (VIA. ANAND), GUJARAT STATE, INDIA.

Application No. 172/Bom/74 filed April 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A magnetic brake assembly adapted for use in an energy meter comprising a casing of a pressed sheet material, such as aluminium, having two limbs, a U shaped magnet mounted on one of said limbs, a straightened iron piece mounted on the other limb, characterised in that, the said iron piece is provided in a spaced relation to said magnet to provide a magnetic gap therebetween for the return flux path.

CLASS 173B & 179G.

141150.

Int. Cl.-B05b 9/00.

PUMP FOR DISPENSING LIQUID.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, OF 165-166 BACKBAY RECLAMATION, BOMBAY-1, MAHARASHTRA, INDIA.

Inventor : RUSTOM KOOVERJI GAMADIA.

Application No. 422/Bom/74 filed December 4, 1974.

Convention date December 6, 1973/(56536/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A finger-operable pump for dispensing liquids comprising :

- an axially arranged feed chamber having a finger-displaceable member, displaceable from a rest position to reduce the volume of the feed chamber and to increase hydraulic pressure therein;
- a pressure-actuable feed valve to permit entry of a liquid product into the feed chamber, from an external supply during a filling stroke of the finger-displaceable member, the feed valve being closed when the displaceable member is moved to reduce the volume of the feed chamber;
- a discharge chamber in communication with said feed chamber;
- resilient means co-operating with the discharge chamber to store energy derived from an increase in hydraulic pressure therein as the volume of the feed chamber is reduced during a discharge stroke of the finger-displaceable member;
- means for releasing the energy stored in the resilient means and for releasing the energy stored in the resilient means and for releasing the liquid product from the discharge chamber, the release means being operable only after the finger-displaceable member has been displaced from the rest position by a predetermined distance, the finger-displaceable member forming a liquid tight seal with a side wall of the feed chamber at least until after the release means is operated; and
- a discharge conduit through which the liquid product is discharged on release of the stored energy.

CLASS 32E.

141151.

Int.Cl.-C08f 1/02, 1/08.

METHOD OF FORMING POLYMERS OF UNSYMMETRICALLY SUBSTITUTED 1, 4-DIOXANE-2, 5-DIONES.

Applicant : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

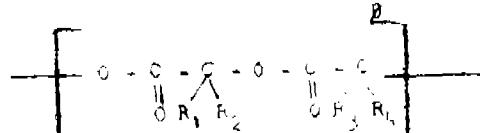
Inventors : THOMAS ANTHONY AUGURT, MICHAEL NORMAN ROSENFAST AND VINCENT ANTHONY PERCIACCANTE.

Application No. 23/Cal/75 filed January 3, 1975.

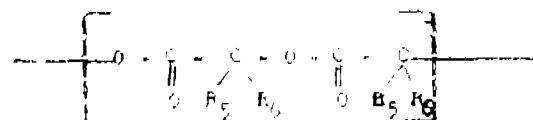
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A method of forming a polymer containing more than 2% by weight of recurring units of the formula shown in Fig. 5.

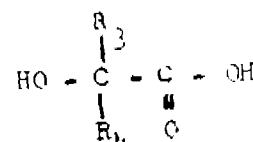


and the remaining units are as shown in Fig. 6.

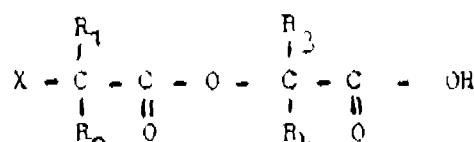


where R₁ and R₂ are not the same as R₃ and R₄, R₁ has at least one carbon atom, and R₁, R₂, R₃, R₄, R₅ and R₆ are separately selected from the group consisting of hydrogen and the radicals methyl, ethyl, propyl, isopropyl, butyl, isobutyl, cyclohexyl, and phenyl which comprises heating from 100 to 250°C in the presence of a salt of a metal of group II, III and IV

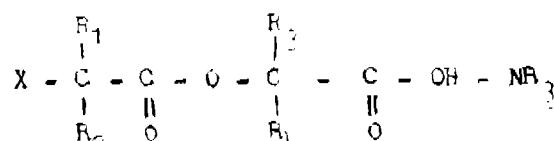
Step one
Catalyst A (II).



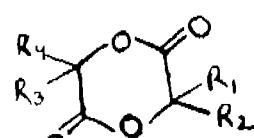
Step two
Reagent B (III).



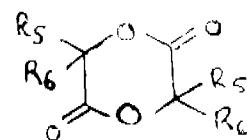
Step three (IV).



as catalyst, at least 2% by weight of an unsymmetrically substituted 1, 4-dioxane-2, 5-dione of the formula shown in Fig. 7.



where R₁, R₂, R₃ and R₄ are defined as above and at least one compound of the formula shown in Fig. 8.



where R₅ and R₆ are defined as above.

CLASS 55E₄ & E₄ & 60X_{2a}.

141152.

Int. Cl.-C12d 9/08, 9/10.

METHOD OF PREPARING GRISEOFULVIN.

Applicant: LENINGRADSKY NAUCHNO-ISSLEDOVATELSKY INSTITUT ANTIBIOTIKOV, OF PROSPEKT OGORODNIKOVA, 23, LENINGRAD, U.S.S.R.

Inventors: MARK ABOVICH MALKOV, VLADISLAV MEIEROVICH FISHMAN, GILLYAR ISAAKOVICH KILFIN, VALTER OSVALDOVICH KULBAKH, VALDIMIR ALEXEEVICH TSYGANOV, NINEL MIKHAILOVNA MATHOKHINA, NINA FEDOROVNA SUSIDKOV, GERSH IZRAILEVICH KLEINER, NELLI VLADIMIROVNA SOLOVIEVA.

Application No. 268/Cal/75 filed February 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims. No drawings.

A process of preparing griseofulvin consisting in growing *Penicillium nigricans* Thom Lia 0814 or 2514 which does not produce any cancerogenic patulin on a culture medium containing sources of nitrogen and carbon, as well as mineral salts, with addition of glucose as carbon source in the following daily amounts: 0.9 per cent by weight during the 1st day, and then 0.4 per cent by weight, 0.6 per cent by weight, 0.75 per cent by weight, 1.0 per cent by weight, 1.25 per cent by weight and 1.5 per cent by weight in the course of the 2nd, 3rd, 4th, 5th, 6th and 7th days, respectively (with respect to the volume of the nutrient medium) to maintain the specific speed of propagation of the biomass within the limits of 0.004 to 0.007 hour⁻¹, and on the termination of the process separating mycelium and isolating the end product.

CLASS 32F_{2b} & 60X₁.

141153.

Int. Cl.-C07d 15/04, 7/14, 7/16. A01n 9/24, 9/20.

PROCESS FOR PREPARING OXACYCLOHEXANE DERIVATIVES.

Applicant: NIPPON SODA COMPANY, LIMITED, OF SHIN-OHTEMACHI BUILDING, OHTEMACHI, CHIYODA-KU, TOKYO, JAPAN.

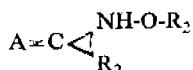
Inventors: YOSHIHIKO HIRONO, (2) HISAO ISHIKAWA, (3) ISAO IWATAKI, (4) MIKIO SAWAKI (5) TAKASHI OKABE, (6) DAIGAKU TAKIGUCHI AND KUNIYASU MAEDA.

Application No. 1209/Cal/75 filed June 18, 1975.

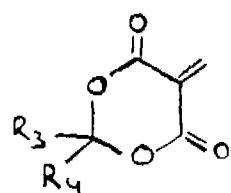
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for the production of a compound of the general formula as shown in Fig 5.



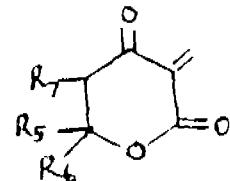
wherein R₁ is lower alkyl, R₂ is selected from the group consisting of lower alkyl, lower alkynyl and lower alkynyl, A is selected from the formula consisting of as shown in Fig. 6.



where R₂ is selected from the group consisting of hydrogen and lower alkyl,

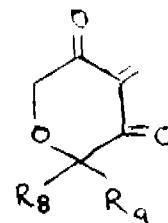
R₁ is selected from the group consisting of lower alkyl and phenyl, and

R₂ forms cyclo-alkylene of 4 to 5 carbon atoms by combining with R₁ as shown in Fig. 7.



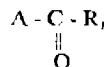
where R₅ and R₇ are selected from the group consisting of hydrogen and lower alkyl and

R₆ is lower alkyl; and as shown in Fig. 8.

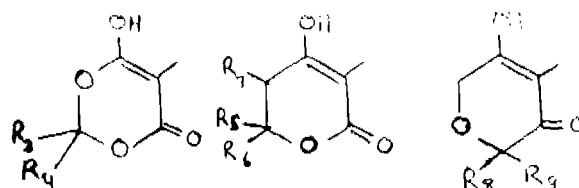


where R₈ is selected from the group consisting of hydrogen and lower alkyl and R₉ is lower alkyl;

which comprises reacting a compound of the general formula



wherein A is selected from the group of formula shown in Figs. 47, 48 or 49



where R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈ and R₉ represents the aforesaid meanings, with a compound of the formula



wherein R₂ represents the aforesaid meanings, in an inert solvent such as acetone, ether, methylalcohol, ethylalcohol, isopropylalcohol, benzene, tetrahydrofuran, chloroform, acetonitrile, dichloroethane, ethylacetate, dioxane, toluene, xylene and dimethyl sulfoxide, at a temperature from -10°C to the boiling point of the solvent.

CLASS 88D.

141154.

Int. Cl.-C10b 53/00, E21c 43/00.

PROCESS FOR PRODUCING A GASEOUS PRODUCT FROM CARBONACEOUS MATERIAL.

Applicant: PRESIDENT OF TOHOKU UNIVERSITY, OF JAPAN, NO. 1-1, KATAHIRA 2- CHOME, SENDAI-SHI, MIYAGI-KEN, JAPAN.

Inventors: YASUKATSU TAMAI, YOSHIYUKI NISHIYAMA AND MINORU MATIDA.

Application No. 1907/Cal/75 filed October 3, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for producing a gaseous product from carbonaceous material such as herein described which is solid at room temperature comprising:

pretreating the particulate carbonaceous material with liquid ammonia as herein defined at room temperature to 150°C to extract out of said carbonaceous material substantially all portion of substances to be extracted with liquid ammonia;

separating the carbonaceous material from the liquid ammonia; and

treating the resultant carbonaceous material with a gasifying agent at a temperature of 400°C to 1,000°C under a pressure ranging from atmospheric pressure to super-atmospheric pressure in the presence or absence of a catalyst to obtain a gaseous product.

CLASS 55E & 60X₂b. 141153.

Int. Cl.-A61k 23/02, C12k 5/00.

PROCESS FOR PREPARING VIRUS VACCINES.

Applicant : BEHRINGWERKE AKTIENGESELLSCHAFT, MARBURG/LAHN, FEDERAL REPUBLIC OF GERMANY.

Inventors : DIETER BERNHARDT, AND HEINZ RESTLE.

Application No. 986/Cal/76 filed June 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim. No drawing.

Process for preparing virus vaccines in cell cultures by proliferation of cells in a culture medium and infection of the cells with a virus, which comprises proliferating the viruses in a culture medium which contains 2 to 10%, preferably 2 to 3% of serum, and diluting the latter during the growth of the cells with further amounts of culture medium and carrying out the last dilution prior to the infection of cells, without isolating them, with a serum-free culture medium.

CLASS 104J, 114A. 141156.

Int. Cl.-B29h 9/10, C08g 17/20.

PROCESS FOR WATERPROOFING CHROME LEATHER.

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT (GENERAL), RESEARCH & DEVELOPMENT ORGANISATION, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA).

Inventors : KALI KUMAR GANGULI, AND DR. KAPPACANTULA JWALA BALAKRISHNA.

Application No. 190/Cal/74 filed January 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

Process for the waterproofing of chrome tanned leather which comprises

(a) Preparing a vulcanising dispersion by mixing following ingredients :

Zinc diethyldithiocarbamate	1 g
Flower of sulphur	2 g
Casein	0.1 g
Sym-dibetanaphthyl p-phenylene diamine	2 g
Sodium aryl alkyl sulphonate	0.1 g
Ammonia (Sp. Gr. 0.880)	1 ml
Water (normal municipal supply):	7 ml

(b) mixing the obtained dispersion (a) with centrifuged Hevea Latex to obtain vulcanised Latex on heating the mixtures.

(c) adding cetyl trimethyl ammonium bromide and water to vulcanised Latex of step (b) to obtain a positively charged vulcanised Latex dispersion and bringing the pH of dispersion to 9.5 to 10 by adding an aqueous solution of ammonia; and

(d) finally immersing leather to the said positively charged vulcanised Latex of step (c) at about 20°C for about 15 minutes.

CLASS 127A & 134B. (41157.

Int. Cl.-F16d 13/64.

AN IMPROVED CLUTCH PLATE FOR MOTOR VEHICLES.

Applicant & Inventor : MAHENDRA SINGH CHUD SINGH, C/O SPEED WINGS, TRANSPORT, 14 MASJID SIDING ROAD, BOMBAY 9, STATE OF MAHARASHTRA, INDIA.

Application No. 152/Bom/74 filed April 15, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

A clutch plate comprising of (1) a centre plate possessing a central bore for mounting on the crankshaft of an engine and a plurality of cylindrical holes surrounding the central bore in which are imbedded cylindrical rubber bushing adapted to press-fit in the said cylindrical holes, the said rubber bushing having a through and through hole in their centre; (2) a centre plate cover fitted over the said centre plate and having holes matching with the holes in the rubber bushings, (3) a clutch plate frame adapted to contain the said centre plate in its inner part, the said inner part of the clutch plate frame having matching holes with the rubber bushings and the centre plate cover; (4) a plurality of bolts or rivets passing through the clutch plate cover; the rubber bushings and the inner part of the clutch plate frame, adapted to hold the clutch plate cover, the centre plate to the clutch plate frame; (5) an outer plate attached to the periphery of the clutch plate frame characterised in that the motion from the crankshaft is transmitted to the centre plate and through the clutch plate cover the bolts and the rubber bushings to the clutch plate frame and thereon to the said outer plate, the rubber bushings absorbing shock during motion.

OPPOSITION PROCEEDINGS

The opposition entered by Colgate-Palmolive Company on the 23rd March, 1972 to the grant of a Patent on application for patent No. 127297 made by Hindustan Lever Limited has been treated as withdrawn.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

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131844 132010 132269 132394 132797 132935 133140 133225
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 135369

PATENTS SEALED

129041 135320 137967 138154 138253 138452 138542 138595
 138793 138797 138914 138915 138925 138927 138928 138933
 138936 138948 138950 138951 138959 138963 138982 138989
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 139072 139073 139077 139078 139080 139085 139124 139126
 139132 139184 139259 139261 139270 139312 139346 139383

CORRECTION OF CLERICAL ERRORS UNDER SECTION-78

(1)

The title of the application and specification of the application for Patent No. 138154 (earlier numbered 1372/Cal/73) the acceptance of the complete specification of which was notified in Part-III, Section-2 of the Gazette of India dated

the 27th December 1975 has been corrected under sub-section (3) of the Section 78 of the Patents Act, 1970.

(2)

Certain Clerical errors in the description of the specification of the application for Patent No. 138253 (earlier numbered 1252/Cal/73) the acceptance of the complete specification of which was notified in Part-III Section-2, of the Gazette of India dated the 10th January 1976 have been corrected under sub-section (3) of the Section 78 of the Patents Act 1970.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning, of 45, Bruningstrasse, Frankfurt/Main, Federal Republic of Germany, chemical manufacturers, a corporation organised under the laws of the Federal Republic of Germany, have made an application under Section 57 of the Patents Act, 1970 for amendment of claims in the specification and revision of the title of invention in the application and specification of their application for patent No. 126791 for "Basic azo dyestuffs and process for their preparation". The amendments by way of disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

104796.— } M/s. Congoleum Corporation.
 111290.— }

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1975 generally on account of want of requests for licences to work the patented inventions, persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

List No. V

Sl. No.	Patent No.	Date of Patent	Name & address of the Patentee	Brief title of the Invention
1	2	3	4	5
1.	129125	6-10-1970	Imperial Chemical Industries Ltd, Imperial Chemical House, Millbank, London, SW. 1.	Synergistic stabilised aliphatic hydrocarbon compositions.
2.	129127	6-11-1970	Exxon Research & Engineering Co, Linden, New Jersey, USA.	Conversion of gas mixtures containing carbon monoxide.
3.	129134	23-7-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Electrogalvanisation of steel wires.
4.	129139	7-11-1970	Exxon Research & Engineering Co, Linden, New Jersey, USA.	Conversion of gas mixture containing carbon monoxide and steam to hydrogen & carbon monoxide.
5.	129150	9-11-1970	Hindustan Lever Ltd, Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20.	Soap tablet.
6.	129154	19-11-1970	Snam Progetti S.p.A. C-So Venezia, 16 Milano, Italy.	Removing catalytic metal residues from polyolefins.

1	2	3	4	5
7.	129162	10-11-1970	Sherritt Gordon Mines Ltd, Suite 2800, Commerce Court West, Toronto, Dutania, Canada.	Extracting nickel & cobalt values from paterite ore.
8.	129165	10-11-1970	Hindustan Lever Ltd, Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20.	Skin lightening preparations.
9.	129172	10-10-1970	L. Givaudon & Cie Societe Anonyme, Vernier-Geneve, Switzerland.	Olfactorily effective composition.
10.	129188	20-4-1972	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Synthesis of 2, 2-dialkyl-3, 4-diphenyl chromenes.
11.	129204	12-11-1970	Globe Union Inc, 5757 N. Green Bay Avenue, Milwaukee, Wisconsin, USA.	Apparatus for successively applying a plurality of coating to a substrate.
12.	129205	Do.	Do.	Simultaneously applying a plurality of coating to a substrate.
13.	129206	Do.	Do.	Respectively applying a plurality of coating to a substrate.
14.	129207	Do.	Do.	Resistive coatings.
15.	129225	16-11-1970	Imperial Chemical Industries Ltd, Imperial Chemical House, Millbank, London, SW. 1.	Metal deposition process.
16.	129125	6-11-1970		Synergistic stabilised aliphatic hydrocarbon compositions.
17.	129231	21-5-1971	Texaco Development Corp, 135 East 42nd St, New York.	Synthesis gas.
18.	129232	20-4-1972	The Wellcome Foundation Ltd, 183-193 Euston Rd, London, N.W. 1.	Amino purine derivatives.
19.	129263	17-11-1970	Snam Progetti SPA, C-So Venezia, 16 Milano, Italy.	Treating effluent gases in the ammonia synthesis.
20.	129267	17-11-1970	Nippon Kokan Kabushiki 1-3, 1-chome, Otemachi, Chiyoda-ku, Tokyo.	Coating of steel sheets.
21.	129283	18-11-1970	Commercial Solvents Corp, 245 Park Avenue, New York.	Zearalenone.
22.	129284	18-11-1970	Do.	Do.
23.	129285	Do.	Do.	Do.
24.	129297	19-11-1970	Shell Internationale Research Maatschappij B.V. ; 30 Carel van Bylandtlaan, Hague, Netherlands.	Dimethyl 1-methyl-2-(methyl carbamoyl) vinyl phosphate.
25.	129304	19-11-1970	Farbwerke Hoechst AG, Vormals Melster Lucius & Bruning, 45 Bruningstrasse, Frankfurt Main, Federal Republic of Germany.	Aminophenyl alkyl ethers.
26.	129305	20-4-1972	Merck Patem GmbH, Damstadt, Frankfurter Strasse, West Germany.	Perucaside.
27.	129307	19-11-1970	Texaco Development Corp, 135 East 42nd Street, New York.	Synthetic lubricating composition.
28.	129317	19-11-1970	The Wellcome Foundation Ltd, 183-193 Euston Rd, London, NW. 1.	5-benzylpyrimydines.
29.	129322	20-11-1970	Shell Internationale Research Maatschappij B. V., 30 Carel van Bylandtlaan, Hague, Netherlands.	Quenching unstable pyrolysis effluent gases.
30.	129331	20-11-1970	Texaco Development Corp, 135 East 42nd Str, New York.	Reducing gas.
31.	129336	21-11-1970	Bayer A. G., Leverkusen, Federal Republic of Germany.	Preparation of titanium dioxide concentrate & iron oxide pigments from ilmenite.
32.	129347	23-11-1970	Hindustan Lever Ltd, Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Fatty acid mono-dl-glycerides.
33.	129348	23-11-1970		Fat product suitable for use as coco butter substitute.
34.	129349	Do.	Do.	Catalyst.

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35.	129354	20-4-1972	Bayer Aktiengesellschaft, Leverkusen, Federal Republic of Germany.	New Cyanophenyl-1, 4 dihydropyridine derivatives.
36.	129369	24-11-1970	Nippon Kokan Kabushiki Kaisha, 1-3, 1 chome, Otemachi, Chiyoda-ku, Tokyo.	Method and apparatus for cooling hot metals.
37.	129372	Do.	Farbwerke Hoechst AG, Vormals Meister Lucius & Bruning, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	New pigments of the quinacridon series.
38.	129386	25-11-1970	Heinrich Koppers GmbH, Moltkestrasse 29, 4300 Essen, Federal Republic of Germany.	Producing carbonmonoxide by reacting in cadscent coke with oxygen & carbon dioxide.
39.	129415	27-11-1970	Universal Oil Products Co, No. 30 Algonquin Rd, Des Plaines, Illinois, USA.	Method of regenerating a deactivated hydro-carbon conversion catalyst.
40.	129418	20-4-1972	Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany.	Biguanides.
41.	129431	28-11-1970	Afga Gevaert N. V., 27 Septestraat, 2510 Mortsel, Belgium.	Polymer films.
42.	129438	30-11-1970	Universal Oil Products Co, No. 30 Algonquin Road, Des Plaines, Illinois, USA.	Para xylene & gasoline.
43.	129441	30-11-1970	Nippon Kokan Kabushiki Kaisha, 1-3, 1-chomc, Otemachi, Chiyoda-ku, Tokyo.	Descaling steel.
44.	129472	20-4-1972	Societe D'etudes De Produits Chimiques, 16 rue Kleber, Issy-Les-Moulineaux, Mauts de Seine, France.	Papaverine complex.
45.	129476	3-12-1970	Universal Oil Products Co, No. 30 Algonquin Road, Des Plaines, Illinois, USA.	Method for separating the effluent from a hydro-processing reaction zone.
46.	129486	20-4-1972	The wellcome Foundation Ltd, 183-193 Euston Road, London, N.W. 1.	Alpha-alkylamini propiophenones.
47.	129487	3-12-1970	General Mills Inc, 9200 Wayzata Boulevard, Minneapolis Minnesota 55440, USA.	Cyanoethyl ether of galactomannamgar.
48.	129492	4-12-1970	Eastman Kodak Company, 343 State Str, Rochester, New York 14650.	Producing masked photographic transparency.
49.	129493	4-12-1970	Shell Internationale Research Maatschappij B.V., 30 Carel van Bylandtlaan, Hague, Netherlands.	Silica titania catalyst.
50.	129497	4-12-1970	Nippon Kokan Kabushiki Kaisha, Otemachi, Chiyoda-ku, Tokyo.	Manufacturing tinned plates having little tendency to smudge.
51.	129532	1-10-1971	R. Yoritomi, 5-17, 12-Koishikawa, Bunkyo-ko, Tokyo, Japan.	Continuous dehydration.
52.	129567	11-12-1970	Shell Internationale Research Maatschappij B. V., 30 Carel Van Bylandtlaan, Hague, Netherlands.	Epoxidising olefins with hydroperoxide.
53.	129569	11-12-1970	Do.	Producing a substantially sulfur free gas stream and a hydrogen sulphide rich gas stream from claus off gases.
54.	129571	11-12-1970	N. V. Dobrovols, Ljusinovskaya, Ulitsa, 53/12 K. V. 103, Moscow.	Catalyst for oxidising ammonia into nitric acid.
55.	129579	14-12-1970	Imperial Metal Industries (Kynoch Ltd) Kynoch Works, Witton, Birmingham 6, Warwickshire, England.	Electrodes for use in electrolytic process.
56.	129613	15-12-1970	Farbwerke Hoechst AG, Vormals Meister Lucius & Bruning, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	N-mono-(Beta-1-cyandethyl)-aryl amines.
57.	129618	16-12-1970	Castrol Ltd, Burmah-Castrol House, Marylebone Rd, London, N.W. 1.	Hydraulic fluid comprising synthetic ortho ester.
58.	129619	16-12-1970	Rhone Progil, 25 Quai Paul Doumer, Courbevoie, France.	Rhombohedral anhydrous calcium sulphate II.
59.	129637	9-9-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	De colouring type active carbon from coconut shell.

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60.	129638	17-12-1970	Shell Internationale Research Maatschappij B.V., 30 Carel Van Bylandtlaan, Hague, Netherlands.	A gas mixture containing hydrogen & carbon monoxide.
61.	129640	17-12-1970	Universal Oil Products Co, No. 30 Algonquin Road, Des Plaines, Illinois, USA.	Gasoline production.
62.	129643	17-12-1970	Hoechst AG, 45 Brunings trasse, Frankfurt, Federal Republic of Germany.	Water soluble monoazo dyestuffs.
63.	129662	19-12-1970	Bayer AG, Leverkusen, Federal Republic of Germany.	Rubber stabilised.
64.	129663	Do.	Do.	Vulcanisation of ethylene-propylene terpolymer.
65.	129664	19-12-1970	Do.	Readily dispersible inorganic pigments.
66.	129697	22-12-1970	Ugine Kuhlmann, 10 Rue du General Foy, Paris, France.	Reaction products of phosphoric acid urea and ammonia.
67.	129702	22-12-1970	Texaco Development Corp., 135 East 42nd Street, New York.	Catalytic cracking of naphtha.
68.	129712	23-12-1970	Westinghouse Electric Corp., Pittsburgh, Pennsylvania, USA.	Coating europium activated strontium chlorophosphate phosphor on to a lamp envelope.
69.	129718	24-12-1970	Bayer AG, Leverkusen, Federal Republic of Germany.	Organic phosphoric acid esters.
70.	129720	24-12-1970	Stamicarbon N.V., Van der Maesenstraat 2, Heerlen, The Netherlands.	Urea and melamine.
71.	129725	24-12-1970	Texaco Development Corp., 135 East 42nd Str., New York.	Catalytic cracking of hydrocarbon.
72.	129749	28-12-1970	N.V. Bekaert S.A., Leo Bekaertstraat 1, B-8550 Zwevegem, Belgium.	Steel wire coated by extrusion with polyethylene terephthalates.
73.	129757	28-12-1970	Matsushita Electric Industrial Co, Ltd, 1006, 092a, Kadama, Kadama-shi, Osaka, Japan.	Producing manganese dioxide electrically
74.	129758	28-12-1970	R.G. Barrera, 103 Republica Dominicana, Col Vista Hermosa, Monterrey, Mexico.	Tortilla dough.
75.	129769	29-12-1970	Universal Oil Products Co, No. 30 Algonquin Rd, Des Plaines, Illinois, USA.	Aromatic hydrocarbon.
76.	129800	20-4-1972	Richter Gedon Vegyeszeti Gyar RT, 21 Gyomroi ut, Budapest X, Hungary.	N-N-diacyl hydrozine derivatives.
77.	129802	20-4-1972	Do.	New alfa-aminoxy carboxlamide derivatives.
78.	129831	4-1-1971	Universal Oil Products Co, No. 30 Algonquin Rd, Des Plaines, Illinois, USA.	C8-alkylaromatic isomerisation process.
79.	129833	4-1-1971	American Cyanamid Co, Wayne, New Jersey, USA.	Medicament dispenser.
80.	129834	4-1-1971	The Luprizol Corp., Cleveland, Ohio, USA.	Amidoalkanesulfonic acids.
81.	129854	6-1-1971	Hindustan Lever Ltd. Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Instant tea powder.
82.	129855	6-1-1971	Hindustan Lever Ltd, Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Extraction of tea.
83.	129870	7-1-1971	Canadian Westinghouse Co Ltd, 286 Sanford Avenue North, Hamilton, Ontario, Canada.	Calcium halo phosphate day light phosphor for fluorescent lamp.
84.	129871	7-1-1971	Hindustan Lever Ltd. Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Pyrazine derivatives.
85.	129913	12-1-1971	Hoechst AG, 45 Brunings trasse, Frankfurt, Federal Republic of Germany.	Treating textile materials to enhance dyeability & Further processing
86.	129926	13-1-1971	LaPorte Industries Ltd, 14, Hanover Square, London W1R OBE, England.	Treating oxide pigments.

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87.	129938	20-4-1972	Mundipharma, Bohnhofstrasse 26, ch 4310, Rheinfelden, Switzerland.	Novel quinine polygalacturonate compounds.
88.	129962	16-1-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Catalyst.
89.	129989	19-1-1971	Imperial Chemical Industries Ltd, Imperial Chemical House, Millbank, London S.W. 1.	1, 1 disubstituted 4-4-bi pyridinium salts.
90.	129991	10-1-1971	Chemic Linz AG, St. Peter 224, Linz/Donau, Austria.	Defluorination of gypsum.
91.	130000	19-1-1971	Ciba-Geigy AG, 141 Klybeckstrasse, Basle, Switzerland.	Azo-dyestuff compounds.
92.	130010	20-4-1972	Societe D'Etudes de Produits Chimiques 16 Rue Kelber, 92 Issy-les Moulineaux, France.	New salts of pyridoxine monoesters.
93.	130020	21-1-1971	Stamicarbon N.V., Van der Maesenstraat 2, Heerlen, The Netherlands.	Cyclohexanone oxime.
94.	130021	21-1-1971	Do.	Cyclohexanone oxime.
95.	130041	20-4-1972	Smithkline Corp, 1500 Spring Garden Street, Philadelphia, Commonwealth of Pennsylvania, USA.	Alpha-amino alkyl-4-hydroxy-3 ureido-benzylalcohols.
96.	130043	25-1-1971	Melle-Bezons S.A., Saint Leger-Les Melle, (Deux-Sevres), France.	Beta methoxy aldehydes.
97.	130060	25-10-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Process of formulating corrosion inhibiting compositions for steel in acid solution.
98.	130072	27-1-1971	The Lubrizol Corp, Cleveland, Ohio 44117, USA.	High molecular weight maleic & fumaric acid esters.
99.	130083	28-1-1971	Wendell E Dunn Inc, 1112 King Str, Wilmington, Delaware, USA.	Recovery of titanium dioxide from ores thereof.
100.	130088	28-1-1971	Solvay Cie, 33 Rue du Prince Albert, Brussels 5, Belgium.	Zeigler-natta type catalyst.
101.	130095	28-1-1971	UBE Industries Ltd, 12-32, 1-Chome Nishihonmachi, Ube-shi, Yamaguchi-Ken, Japan.	Removing impurities from solid granules.
102.	130106	29-1-1971	Ciba-Geigy AG, 141 Klybeckstrasse, Basle, Switzerland.	New disazo dyestuffs.
103.	130110	Do.	Metallgesellschaft AG, 16 Frankfurt AM Reuterweg 14, W. Germany	Gasifying liquid high boiling hydrocarbons
104.	130117	30-1-1971	Imperial Chemical Industries Ltd, Imperial Chemical House, Millbank, London, S.W. 1.	Composition comprising a powder normally causing collapse of foams.
105.	130121	1-2-1971	Do.	Brine.
106.	130125	1-2-1971	Hooker Chemical Corp, Niagara Falls, New York.	Generation of chlorine dioxide chlorine and production of alkali metal.
107.	130140	2-2-1971	Hoechst AG, 45 Bruningstrasse Frankfurt/Main, Federal Republic of Germany.	Benzoxanthone dyestuffs.
108.	130145	2-8-1971	Ciba-Geigy AG, 141 Klybeckstrasse, Basle, Switzerland.	New packages containing dyestuffs.
109.	130142	2-2-1971	The Lubrizol Corp, Cleveland, Ohio, 44117, USA.	High molecular weight carboxylic acid compounds.
110.	130157	3-2-1971	Parkson Corp, 5601 North East 14th Avenue, Landerdale, Florida, USA.	Reacting gaseous reactant with liquid reactant.
111.	130178	4-2-1971	Hindustan Lever Ltd, Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Treatment of karanja oil.
112.	130181	4-2-1971	Great Salt Lake Minerals & Chem Corp, P.O. Box 1190, Ogden, Utah, 84403, USA.	Anhydrous potassium magnesium sulfate material with low hygroscopicity from hydrated potassium magnesium sulfate material.
113.	130173	4-2-1971	Bayer AG., Leverkusen, Federal Republic of Germany.	Sulphenamides.

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114.	130176	4-2-1971	Halcon International Inc, 2 Park Avenue, New York.	Glycol esters of olefines.
115.	130202	6-2-1971	Sherritt Gordon Mines Ltd 25 King Street West, Toronto, Ontario, Canada.	Controlled reduction roasting of nickeliferous iron oxide ores.
116.	130209	6-2-1971	Shell Internationale Research Maatschappij B.V., 30 Carel van Bylandtlaan, Hague, Netherlands	Regenerating a deactivated reforming catalyst.
117.	130233	10-2-1971	Stor & Webster Engg. Corp 225, Franklin Str., Boston, Massachusetts 02107, USA.	Removal of acidic gases from hydrocarbon streams.
118.	130238	11-2-1971	Hindustan Lever Limited, Hindustan Lever House, 166 Backbay Reclamation, Bombay-20.	Anti slague & anti calculus dentifrice.
119.	130254	15-2-1971	Council of Scientific and Industrial Research, Rafi, Marg, New Delhi-1.	Vulcanisable graft copolymer from poly-ethylene.
120.	130256	15-2-1971	Shell Internationale Research Maatschappij B.C., 30 Carel van Bylandtlaan, Hague, Netherlands.	Substituted 1, 4-quinone derivatives.
121.	130270	15-2-1971	Snam Progetti S. P. A., C-So Venezia, 16 Minbano, Italia.	Separation of partially hydrogenated polyamine of aluminium.
122.	130280	20-4-1972	The Norwich-Pharmacial Co, 17 Eaton Avenue, Norwich, New York 13815.	N-1-(Substituted benzyl) 1 tetrahydro-2 (1H) pyrimindones.
123.	130282	16-2-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt, Federal Republic of Germany.	Water soluble monoazo dyestuffs.
124.	130323	19-2-1971	Stamicarbon N.V., Van der Maesenstraat 2, Heerlen, The Netherlands.	N-substituted acetaldimines.
125.	130343	23-2-1971	Imperial Chemical Industries Ltd., Imprail Chemical House, Millbank, London S.W. 1.	Reducing residual acidity of ester product.
126.	130346	23-2-1971	Monsanto Co., 800 North Lindbergh Blvd., St. Louis, Missouri 631166, U.S.A.	Vulcanisation rubber with 3 cyclo-alkylthio 3-aza bioclo 3:2:2 nonames.
127.	130356	24-2-1971	Parkson Corp., 5601 N.E. 14th Avenue, Fortland-crade, Florida, USA.	Super phosphoric acid.
128.	130367	25-2-1971	Hoeschst AG, 45 Bruningstrasse, Frankfurt, Federal Republic of Germany.	Metal complex compounds of the monoazo dyestuffs.
129.	130374	25-2-1971	Ciba-Geigy AG; 141 Klybeckstrasse, Basle, Switzerland.	New azo compounds.
130.	130375	25-2-1971	Ciba of India Ltd., Aarey Road, Goregaon East, Bombay-63.	Do.
131.	130415	1-3-1971	Rhone-Poulene S.A., 22 Avenue Montaigne, Paris 8e.	Anisotropic organosilicon polymer membrane.
132.	130416	1-3-1971	Shell Internationale Research Maatschappij BV, Carel Van Bylandtlaan 30, Hague, Netherlands.	Selective removal of hydrogen sulphide from gases containing hydrogen.
133.	130418	1-3-1971	Mefina S.A., 5 route de Beaumont, Fribourg, Switzerland.	Solid product with lubricating properties.
134.	130447	3-3-1971	Walter Von Haumeder, 7801 Ehrenstetten, Federal Republic of Germany.	Refining metallo metals.
135.	130463	4-3-1971	Eastman Kodak Co, 343 State Street, Rochester, New York, 14650.	Photographic bleach fixing composition.
136.	130465	4-3-1971	Koninklijke Nederlandsche Gist & Spiritusfabriek N.V., 1, Wateringsweg, Delft, Holland.	Enzyme polymer complexes.
137.	130469	20-4-1972	Kurcha Kagakua Kogyo K.K., 8-1-chome Nihonbashi, Chidome-cho, Chuo-ku, Tokyo.	Determining a chemical preparation for oral administration.
138.	130487	5-3-1971	Monsanto Co., 800 North Linbergh Blvd., St. Louis, Missouri 631166, USA.	Method of vulcanising rubber containing vulcanisation inhibitor.
139.	130488	5-3-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt, Federal Republic of Germany.	3-3, 4 dichloro-6 alkyl phenyl pyrazoline derivatives.
140.	130489	Do.	Do.	Water soluble monoazo dyestuffs.
141.	130507	20-4-1972	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London SW. 1.	Naphthalene derivatives.
142.	130508	Do	Do	Do

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143.	130515	9-3-1971	Foster Grant Co. Inc.-289 Worth Main Str., Leominster, Massachusetts, USA.	Catalytic hydrocracking process.
144.	130516	9-3-1971	Kaiser Industries Corp., 300 Lockside Drive Oakland, California, USA.	Metals from metaliferous materials.
145.	130526	11-3-1971	Amchem Products Inc., Brookside Avenue, Amherst, Pennsylvania, USA.	2,6-dinitroaniline derivatives.
146.	130530	11-3-1971	Hermann Papot, Karlsruhe-Strasse, St. Goregen, Federal Republic of Germany.	Method of production of lifting ascs lighter than airships.
147.	130551	16-3-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	New process for separation of the dimethyl & monomethyl silane & methyl trichloro-silane.
148.	130553	16-3-1971	Union Carbide Corp., 270 Park Avenue, New York 10017.	Liquid gas contacting tray.
149.	130558	16-3-1971	The Goodyear Tyre & Rubber Co., 1144 East Market Street, Akron, Ohio, USA.	Vulcanisable rubber containing retarder for inhibiting premature vulcanisation.

COMMERCIAL WORKING OF PATENTED INVENTIONS

List No. VI

Sl. No.	Patent No.	Date of Patent	Name & address of the patentee	Brief title of the invention
1.	128017	13-8-1970	Universal Oil Products Co., 30 Algonquin Road, Des Plaines, Illinois, USA.	Solvent extracting of coal.
2.	128052	20-4-1972	Newport Pharmaceuticals Inc; 1590 Monrovia Blvd, Newport Beach California.	Complex of inosinic & dialkylaminoalkenol.
3.	128082	19-8-1970	The Anaconda Co., 25 Broadway, New York.	Vulcanising polymeric coverings on electric cables.
4.	128088	19-8-1970	Hoechst AG; 6230 Frankfurt/Main, Federal Republic of Germany.	Polymerising alpha-olefins.
5.	128099	20-4-1972	Ordens Trudovogo Krasnogo Znameni Khimiko-farmatsevticheskyy, Moscoskaya Oblast, Noginskyy raion, 70 Kuparna, USSR.	Diethyl carbaminoxy piperazine.
6.	128111	20-8-1972	AB Ehrnberg & Sons, Simrishamn, Sweden.	A foam stabilised non-woven leather like sheet containing synthetic fibres.
7.	128134	22-8-1970	Unilever Ltd., Unilever House, Blackfriars London, EC-4.	Shaped consolidated meat products.
8.	128137	22-8-1970	New York, University, Washington Square, New York.	Method of protecting & preserving stone objects.
9.	128182	26-8-1970	Hoechst AG; 6230 Frankfurt/Main, Federal Republic of Germany.	New water soluble monoazo dyestuffs.
10.	128711	6-10-1970	Union carbide Corp., 270 Park Avenue, New York, 10017.	Porous metallic layer & formation.
11.	130561	16-3-1971	Wendell & Dunn Inc; 112 King Street, Wilmington, Delaware, USA.	Beneficiation of titaniferous Ores.
12.	130576	16-3-1971	Snam Progetti S.p.A., C-So Venezia, 16 Milano, Italy.	Aluminium compounds.
13.	130588	Do.	Cotton Inc., 350 Fifth Avenue, N. York.	Treating cellulosic fibres containing material.
14.	130589	16-3-1971	Neroo Chiarotto, via Bussola 7, Varese, Italy.	Composite yarn fabrics & non-woven fabrics having fire resistant properties.
15.	130590	16-3-1971	Hoechst AG; 45 Bruningstrasse, Frankfurt, Germany.	Water insoluble yellow monoazo dyestuffs.
16.	130626	18-3-1971	Bayer AG, Leverkusen, Federal Republic of Germany.	Process for purifying waste gases from the production of ammonium nitrite and resing them for the production of ammonium carbonate.
17.	130637	19-3-1971	Do.	Titanyl sulfate solutions.

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18.	130685	23-3-1971	Agfa Gavaert N.V., 27 Septestrat, Morstel, Belgium.	Polymeric films.
19.	130686	23-3-1971	The Broken Hill Proprietary Co. Ltd., 500 Bourke Street, Melbourne.	Improved coated metal product and process for Coating metal surfaces.
20.	130690	23-3-1971	Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany.	Metal containing azo dyes.
21.	130713	24-3-1971	Texaco Development Corp., 135 East 42nd Street, New York, 10017.	Controlling composition of fluids.
22.	130719	25-3-1971	Universal Oil Products Co., No. 30 Algonquin Rd., Des Plaines Illinois, USA.	Apparatus for reconditioning reforming catalyst.
23.	130740	26-3-1971	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London S.W. 1.	Fibre reinforced thermoplastic materials.
24.	130742	26-3-1971	Bayer AG, Leverkusen, Federal Republic of Germany.	Stable aqueous dispersions of optical brightening agents.
25.	130769	29-3-1971	Abex Corp. 530 Fifth Avenue, New York.	Production of friction materials.
26.	130813	1-4-1971	Rhone Progil, 6 Rue Piccinc, Paris-16E.	Process for depositing precious metals on a metallic support.
27.	130775	29-3-1971	Shinetsu Chemicals, 4-2 Marunouchi, 1-Chome, Chiyoda-ku, Tokyo, Japan.	Suspension polymerising vinyl chloride.
28.	130792	24-1-1976	Fisons Ltd. Harvest Ltd. 12-32, 1 Chome, Suffolk, England.	Azines.
29.	130799	30-3-1971	UBE Industries Ltd., 12-32, 1-chome Mishihonma-chim, Ube-Shi, Yamaguchi-Ken, Japan.	Treatment of a reaction product obtained by oxidation of cyclohexano.
30.	130800	30-3-1971	Snam Progetti S. p. A., C-So Venezia, 16 Milano, Italy	Urea.
31.	130801	30-3-1971	Do.	Urea.
32.	130807	1-4-1971	Hindustan Lever Ltd., Hindustan Lever House, 165-166 Backbay Reclamation, Bombay,-20.	Emulsions.
33.	130811	1-4-1971	Shell Internationale Research Maatschappij, B. V., 30, Carel Van Bylandtlaan, Hague, Netherlands.	Polymerisation of olefin.
34.	130821	2-4-1971	Bayer AG, Leverkusen, Federal Republic of Germany.	Articles of natural or synthetic rubber comprising a non-discolouring antiageing composition.
35.	130841	5-4-1971	Hindustan Lever Ltd, Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Laundry soap containing disproportionated resins.
36.	130861	6-4-1971	Stamicarbon N. V., Van der Maesenstraat 2, Heerlen, The Netherlands.	Separating melamine vapour from hot synthesis gas mixture.
37.	130891	7-4-1971	Universal Oil Products Co, No. 30 Algonquin Rd, Des Plaines, Illinois, U. S. A.	Lubricating oil base.
38.	130864	6-4-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Pigment composition.
39.	130903	8-4-1971	Rohm & Haas Co, Independence Mall West, Philadelphia Pennsylvania, 19105, U. S. A.	Modified vinyl halide polymers.
40.	130923	12-4-1971	Stamicarbon N. V, Van der Maesenstraat, 2, Heerlen, The Netherlands.	Increasing the corrosion resistance of austenitic stainless steels.
41.	130924	12-4-1971	Queen's University at Kingston, Kingston, Ontario, Canada.	Vortex clarifier for separation of fluids.
42.	130928	12-4-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Fluorescent pigments.
43.	130954	13-4-1971	Do.	Benzoanthene & benzothioxanthene dye-stuffs.
44.	130955	Do.	Do.	Do.
45.	130981	14-4-1971	Hindustan Lever Ltd. Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20.	Metal cleaning.

1	2	3	4	5
46.	130993	16-4-1971	Imperial Chemical Industries Ltd, Imperial Chemical House, Millbank, London, SW 1.	Glass reinforced polymer composites.
47.	131020	19-4-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Deashing of natural graphite at high temperature.
48.	131032	19-4-1971	Aktjubinsky Zavod Khromovyklr Soedineny, Kaz-khskaya SSR, Aktjubinsk, USSR.	Chromic anhydride.
49.	131044	20-4-1971	General Electric Co., 1 River Road, Schenectady, New York.	Sintered cobalt rare earth intermetallic product.
50.	131045	20-4-1971	Meiji Seika Kaisha Ltd, 8, 2-chome, Kyobashi, Chou-ku, Tokyo.	Bland vegetable protein product.
51.	131046	20-4-1971	Shinetsu Chemical, 4-2, Marunouchi, 1-Chome, Chiyoda-ku, Tokyo.	Polyvinyl chlorides by suspension polymerisation.
52.	131047	20-4-1971	Nippon Kayaku K. K., 2-1, 1-chome, Marunouchi, Chiyoda, Tokyo.	Substituted 4-nitro diphenol ethers.
53.	131077	22-4-1971	Halcon International Inc., 2 Park Avenue, New York-10016.	Ethylene glycol esters.
54.	131078	22-4-1971	Do.	Glycol esters from olefinically unsaturated compounds.
55.	131079	22-4-1971	Halcon International Inc, 2 Park Avenue, New York-10016.	Glycol esters from ethylene & propylene.
56.	131084	22-4-1971	Shinetsu Chemical, 4-2 Marunouchi, 1-chome, Chiyoda-ku, Tokyo.	Polymerisation vinyl chloride.
57.	131090	23-4-1971	Rhone Progil, 6 Rue Piccini, Paris 16-e.	Preparing electrolytically chlorine & alkali phosphate solution.
58.	131097	24-4-1971	Bau-Stahlgewebe GmbH, Burggrafenstr, 5, 4 Dusseldorf, Oberkassel, W. Germany.	Heat treatment for non- alloyed low carbon structural steel.
59.	131117	26-4-1971	Armour Hess Chemicals Ltd., The Buls Rochdal, Lancashire, England.	Treating fertilisers.
60.	131119	26-4-1971	Snam Progetti S. p. A., C-So Venezia, 16 Milano, Italy.	Unsaturated nitriles.
61.	131126	26-4-1971	Combustion Engg., 1000 Prospect Hill Rd, Windson, U. S. A.	Chemical recovery process for polysulfide pulping system.
62.	131139	27-4-1971	Dunlop Holdings Ltd., Dunlop House, Ryder Str. St. James' London.	Contact adhesives.
63.	131159	28-4-1971	Hoechst AG., 6230 Frankfurt/Main, Federal Republic of Germany.	Polymerisation catalyst.
64.	131165	28-4-1971	Libbey Owens Ford Co, 811 Madison Avenue, Toledo, Ohio, U. S. A.	Edge treating glass sheets.
65.	131171	28-4-1971	Bayer AG, Leverkusen, Federal Republic of Germany.	Dyeing & printing of moulded articles.
66.	131215	4-5-1971	Solvay & Cie, Rue du Prince Albert 33, B-1050 Brussels, Belgium.	Polymerisation of Olefins.
67.	131205	3-5-1971	Imperial Chemical Industries Ltd, Imperial Chemical House, Millbank, London, S. W. 1.	Separating acid gases.
68.	131218	4-5-1971	Mellc-Benzons, Saint-Leger-Les-Melle, France.	Purifying high boiling esters.
69.	131220	4-5-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Asymmetrical 112 chromium complex azo dyestuffs.
70.	131235	4-5-1971	Central glass Co, Ltd, 5253, Oazaokenbe, Ube shi, Yamaguchi-Ken, Japan.	High quality synthetic cryolite.
71.	131248	5-5-1971	Sankyo Co. Ltd, 1-6, 3-chome, Nihonbashi, Honchu Chou-ku, Tokyo.	Soil fungicides.
72.	131280	7-5-1971	Denka Kagaku Kogyo Kabushiki Kaisha, No. 10, 1-chome, Yaraku-cho, Chiyoda-ku, Tokyo.	Fungicides for agriculture & horticulture.

1	2	3	4	5
73.	131282	7- 5-1971	Shell Internationale Research Maatschappij, B. V., Carel van Bylandtlaan, 30, Hague, Netherlands.	Sulphur.
74.	131286	7- 5-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Benzoxanthene, benzothioxanthene, dye-stuffs.
75.	131287	7- 5-1971	Do.	Do.
76.	131299	8-12-1971	Hindustan Lever Ltd, Hindustan Lever House, 165- 166 Reclamation Road, Bombay-20.	Nickle hydrogenation catalyst.
77.	131303	11- 5-1971	British American Tobacco Co. Ltd, Westminster House 7, Millbank, London, S. W. 1.	Apparatus for drying tobacco.
78.	131368	14- 5-1971	Solvay & Cie, Rue dux Prince Albert 33, B-1050, Brussels, Belgium.	Activation of peroxide washing and bleaching baths.
79.	131386	17- 5-1971	Shell Internationale Research Maatschappij B. V., 30 Carle van Baylandtlaan, Hague, Netherlands.	Epoxidising olefins with hydroperoxide for producing oxirane compounds.
80.	131394	18- 5-1971	Stamicarbon N. V., Van der Maesenstraat 2, Heerlen, The Netherlands.	Recovery of acrylonitrile.
81.	131396	20- 4-1971	The Norwich, Pharmacal Co., Nowich, New York, U. S. A.	Novel hepta and octapeptides.
82.	131405	18- 5-1975	International Nickle Ltd., Thames House, Millbank London, S.W. 1.	Corrosion resistant chromium containing alloys.
83.	131417	19- 5-1971	Bayer Aktiengesellschaft, Leverkusen, Federal Re- public of Germany.	Catalytic oxidation of SO ₂ to SO ₃ .
84.	131433	20- 5-1971	Juza Vladimirovich Mgaloblistwih Tbilisi, Prospect Vazha Ps Lavela 4, Kavarfal Korpus 9, KV 4, U. S. S. R.	Laminated plastic materials.
85.	131458	22- 5-1971	Snam Progetti S. p. A., C-So Venezia, 16 Milano, Italy.	Dehydrating ammonia synthesis.
86.	131467	20-4-1972	Karamchand Premchand Pvt. Ltd., P. Box 28, Ahmedabad.	6-acylaminopenicillanic acid.
87.	131468	24-5-1971	Shell Internationale Research Maatschappij B.V., Carel Van Bylandtlaan, 30, The Hague, Netherlands.	Catalytic polymerisation of olefines.
88.	131469	24-5-1971	do.	Isomerisation of alkylaromatic hydrocarbon.
89.	131486	25-5-1971	Bayer Aktiengesellschaft, Leverkusen, Federal Republic of Germany.	Preparation of iron oxide and hydrated iron oxide pigments.
90.	131509	27-5-1971	Explosives & Chemical Products Ltd., 31—35, Wilson St. London EC. 2.	Blasting explosives composition.
91.	131512	20-4-1972	Hindustan Lever Ltd., Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Improved pig feed.
92.	131513	27-5-1971	Combustion Engg., 1000 Prospect Hill Road, Windsor, U.S.A.	Processing sodium sulfide and sodium carbonate containing spent liquor from a polysulfide pulping process.
93.	131521	28-5-1971	Halcon International Inc., 2, Park Avenue, New York-10016.	Polyethylene terephthalate.
94.	131530	30-6-1971	Lisenwerk-Gesellschaft Maximilianshutte m.b.h., Steel. Sulzbach-Rosenberg, Hütte, W. Germany.	
95.	131535	29-5-1971	Dunbeath Holdings Pty Ltd., C/o Mr. B. E. Perkins, 51 Fiddendenwharf Rd., Killara, New South Wales 2071, Australia.	Elastomeric roller.
96.	131536	29-5-1971	Stamicarbon N.V., Vander Maesenstraat 2, Heerlen, The Netherlands.	Recovery of ammonia & carbon dioxide from tail gas of a wire synthetics.
97.	131545	31-5-1971	Halcon International Inc., 2, Park Avenue, New York-10016.	Glycol esters from olefinically unsaturated compounds.
98.	131552	31-5-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Acylacetic acid aryl amides.

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99.	131567	2-6-1971	Ryosuke Enya, No. 3620 Schinichi Murozumicho, Calcium carbide. Hikari City, Japan.	
100.	131644	8-6-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Dyeing on natural or synthetic fibrous material containing nitrogen.
101.	131591	4-6-1971	Imperial Chemical Industries, Ltd., Imperial House, Millbank, London S.W.1	Thickened slurry explosive & nozzles for use in such method.
102.	131606	5-6-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Gamma ferric oxide.
103.	134151	31-12-1971	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Oxazine dyestuffs.
104.	134152	31-12-1971	Do.	Reactive water soluble monoazo dyestuffs.
105.	134154	31-12-1971	Chief Scientist R.D. & O. Ministry of Defence, Govt. of India, Delhi.	Cyclization of rubber.
106.	134164	3-1-1972	Monsanto Co., 800 North Lindbergh Blvd., St. Louis, Missouri-63166, U.S.A.	New herbicidal N-(alken-1-yl) amino-s-triazine compounds.
107.	134174	4-1-1972	Stamicarbon N.V., Van der Maesenstraat Heerlen, The Netherlands.	2, Copolymerising conjugated dienes with ammonically unsaturated compounds to copolymer having an improved random distribution.
108.	134187	5-1-1972	Union Carbide Corp., 270 Park Avenue, New York 10017.	Recovery of nitrogen oxides from gas streams.
109.	134188	5-1-1972	Imperial Chemical Industries, Ltd., Imperial Chemical House, Millbank, London S.W.1.	Slurry explosive composition.
110.	134189	5-1-1972	Universal Oil Products Co., 10, LOP Plaza, Algonquin & Mt. Prospect Rds. Des Plaines, Illinois, U.S.A.	Hydro de-sulfurisation.
111.	134190	5-1-1972	Alcan Research & Development Ltd., 1, Place ville Marie, Montreal, Quebec, Canada.	Aluminium recovery.
112.	134203	31-3-1973	Indian Explosives Ltd., ICI House, 34 Chowinghee Rd., Calcutta-16.	Cartridged slurry blasting explosives.
113.	134206	6-1-1973	Do.	Inorganic oxidizer salt containing slurry type blasting compositions.
114.	134207	20-4-1972	John Wyeth & Brother Ltd., Huntercombe Lane South, Taplow, Maidenhead, Berkshire, England.	Indole derivatives.
115.	134209	6-1-1972	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Disperse dyestuff & resinic acid.
116.	134235	10-1-1972	Eli Lilly Co., South Alabama St., Indianapolis, U.S.A.	Novel cephalosporin compounds.
117.	134247	11-1-1972	UCB SA, 4, Chaussee de charleroi Saint-Gilles-lez Bruxelles, Belgium.	Catalytic fluidised bed.
118.	134250	11-1-1972	ICI Australia Ltd., 1 Nicholls en St., Victoria, Australia.	Slurry explosive composition.
119.	134254	12-1-1972	Braunschweigische Maschinenbauanstalt Braunschweig, A, Alten Bahnolf-5.	300 Continuous raw juice extraction by diffusion in sugar industry.
120.	134255	12-1-1972	Albright & Wilson Ltd., Oldbury near Birmingham, Warwickshire, England.	Dithionites.
121.	134259	12-1-1972	Texaco Development Corp., 135 East 42nd St., New York.	Separating oily refinery sludges.
122.	134266	20-4-1972	Societe D'etudes de Produits Chimiques, 16 Rue Kleber 92 Issy-les Moulineaux.	B-pyridyl carbinol nicotinoyl glycinate.
123.	134268	13-1-1972	Ciba Geigy AG, 141 Klybeckstrasse, Basles, Switzerland.	Azo dyestuffs.
124.	134293	17-1-1972	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Selective extraction of nickel & cobalt.

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125.	134294	20-4-1972	Karamchand Premchand Pvt. Ltd., P. Box 28, 5-halosalicylaldehyde. Ahmedabad.	
126.	134321	19-1-1971	Hindustan Lever Ltd., Hindustan Lever House, Sulphonation or sulphation. 165-166 Backbay Reclamation Bombay-20.	
127.	134324	19-1-1972	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Day light fluorescent pigments. Federal Republic of Germany.	
128.	134325	19-1-1972	Texaco Development Corp., 135 East, 42nd St., Fuel burner & process for gas manufacture. New York 10017.	
129.	134326	19-1-1972	Prerovske Strojirny narodni Podnik Prerov, Czechoslovakia. Burnt lime & burnt dolomite of fine granular pulverulous material.	
130.	134327	19-1-1972	Do.	Cement clinker from a slurry of pulverulous materials.
131.	134355	22-1-1972	Shell Internationale Research Maatschappij B. V., Activating supported silver catalysts. 30 Carel van Bylandlaan, The Hague, Netherlands.	
132.	134374	28-8-1972	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1. Electrolytic reduction of pnitrophenol to p-aminophenol.	
133.	134391	25-1-1972	Snam Progetti S. p. A., C. So Venezia, 16 Milano, Italy. Oxidation of olefines.	
134.	134393	25-1-1972	Laporte Industries, Ltd., 14 Hanover Square, London WIR, OBE. Beneficiation of ores.	
135.	134411	28-1-1972	Sankyo Co., Ltd., 1-6, 3 chome, Nihonbashi, Tokyo. Acid esters of 4-piperidinal derivatives.	
136.	134418	29-1-1972	Polysar Ltd., Sarnia, Ontario, Canada. Vulcanising brominated butyl rubber.	
137.	134424	29-1-1972	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany. Day light fluorescent light.	
138.	134425	29-1-1972	Do.	Day light fluorescent pigment.
139.	134430	31-1-1972	Stamicarbon N.V., Van der Maesenstraat 2, Heerlen, Netherlands.	Urea.
140.	134431	31-1-1972	The Rubber Research Institute of Malaya, 3rd Mile Ampang Rd., Kuala Lumpur, Malaya.	Stabilisation of natural rubber.
141.	134444	31-1-1972	Polysar Ltd., Sarnia, Ontario, Canada.	Vulcanisation of elastomers.
142.	134476	2-2-1972	Johnson & Johnson, 501 George St., New Brunswick, New Jersey, U.S.A.	Adhesive cement compositions.
143.	134445	31-1-1972	Hindustan Lever Ltd., Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Toothpaste.
144.	134490	4-2-72	Snam Progetti S.P.A., C-So Venezia 16 Milano, Italy.	Polymerisation of an olefine at high pressure in tubular reactor.
145.	134500	4-2-1972	Bayer AG, Leverkusen, Germany.	4-amino-1, 2, 4-triazine-5-ores.
146.	134504	4-2-1972	Hoechst AG, 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Organic optical brightener.
147.	134515	7-2-1972	Exxon Research & Engg Co., Linden, New Jersey, U.S.A.	Dewaxing deoiling process.
148.	134517	4-6-1970	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W.1.	Aluminium phosphate.
149.	134520	7-2-1970	Hindustan Lever Ltd., Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-20.	Antiperspirant composition.
150.	134522	7-2-1970	Uzma de Produse, Sodice Ocea Mures St., Razbainare 1, Rumania.	Dense sodium carbonate.
151.	134523	7-2-1972	Aikoh Co. Ltd., No. 1-39, 2 chome, Ikenohata, Taito-ku, Tokyo.	Slag forming agent for steel.

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152.	134524	7-2-1972	E.I. du Pont de Nemours & Co, Wilmington, 3-(halophenyl) dialkyl Ureas. Delaware, U.S.A.	
153.	134531	8-2-1972	Melic-Bezons, 7a Saint-Leger Les Melle, Deux- High boiling ester purification. Sevres, France.	
154.	134533	4-6-1970	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W.1.	Fibre.
155.	134534	4-6-1970	Do	Binding solids.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
126191 (14-4-70)	Process for the preparation of very pure monosulfonic acids of triphenylmethane dyestuffs.
126193 (14-4-70)	Process for the regeneration of used catalyst in the manufacture of hydrogen peroxide by the anthraquinon process, an apparatus thereafter and hydrogen peroxide manufactured applying this process of regeneration.
126710 (29-6-70)	Improvement in or relating to a process for nitration of aromatic compound by aqueous, nitric acid, and a device therefor.
128088 (19-8-70)	Improvement in the process for polymerizing α -olefins
129140 (7-11-70)	A method of manufacturing ceramic magnets containing strontium or barium ferrite.
129769 (29-12-70)	A process for the production of a selected aromatic hydrocarbon.
130110 (29-1-71)	Process of gasifying liquid high-boiling hydrocarbons.
131394 (18-5-71)	Process for the recovery of acrylonitrile from aqueous solutions.

RENEWAL FEES PAID

79541	80066	80098	80110	80143	80145	80195	80222	80323
80339	80365	80450	80609	80656	80676	80833	80972	81078
81307	81341	81348	85586	85851	85904	85920	85978	86015
86028	86099	86116	86120	86188	86213	86280	86281	86282
86340	86389	86401	86458	86467	86609	86656	86688	86765
86856	86899	86935	86937	87067	87201	87260	88062	88165
91512	91623	91640	91675	91680	91681	91738	91761	91772
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92248	92337	92418	92449	92459	92508	92532	92585	
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134305 134306 134307 134325 134326 134327 134339 134340
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136168 136192 136292 136302 136340 136509 136530 136562
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137488 137489 137700 137761 137855 138017 138160 138168
138259 138260 138297 138339 138378 138379 138418 138509
138530 138786

CESSATION OF PATENTS

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132580 133736 133854 134710 134711 134711 135067 135052 135053
138268

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 118383 and its patent of addition No. 127069 granted to Eric Lawton Sumner for an invention relating to "combination centre punch and light chisel". The patent ceased on the 1st November, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th July, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 22nd March, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 121867 granted to Chittaranjan Sikder and Darrel Charles Leslie de Gruyter for an invention relating to "a loom picker". The patent ceased on the 18th June, 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 25th December, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 22nd March, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 129470 granted to Council of Scientific and Industrial Research for an invention relating to "A process for the production of frozen mango pulp from Dasher and Chausa varieties". The patent ceased on the 2nd December, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 15th January, 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 22nd March, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 136012 granted to Siemens Albis Aktiengesellschaft, for an invention relating to improvements in or relating to oscillator phase control circuits". The patent ceased on the 1st December, 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 13th November, 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 22nd March, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which

bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137790 granted to Kanak Engineers Private Ltd. for an invention relating to "Improvements in and relating to suspension devices". The patent ceased on the 28th November, 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 8th January 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 22nd March, 1977 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 144357. Bal Kishan Kejriwal, of Regent House, 12, Government Place, East, Calcutta-700069, West Bengal, India, and of Indian Nationality. "A window locking device". June 5, 1976.

Class 1. No. 144358. Bal Kishan Kejriwal, of Regent House, 12, Government Place, East, Calcutta-700069, West Bengal, India, and of Indian Nationality. "A pencil sharpener". June 5, 1976.

Class 1. Nos. 144366 to 144369. Swastika Industry, Sachindralal Sarani (Baguihati) P.O. Aswinanagar, Calcutta-700059, West Bengal, an Indian Partnership Concern. "Smokeless oven". June 10, 1976.

Class 1. No. 144435. Jivan Abdurrahim Sabocwala, of Cleave House, 90, Wodehouse Road, Colaba, Bombay-400005, Maharashtra, India, of Indian Nationality. "A mincer". June 24, 1976.

Class 1. No. 144441. Kamalnayan Kedarnath Gupta, Indian National, of 20, Wadi Bunder Road, Mazgaon, Bombay-400010, Maharashtra, India. "Coffee percolator". June 28, 1976.

Class 1. Nos. 144483 & 144484. Prakash Chandra, an Indian, of 24, Second Street, Dr. Sivananda Nagar, Coimbatore-641012, Tamil Nadu, India. "Bicycle". July 8, 1976.

Class 1. Nos. 144485 & 144486. Prakash Chandra, an Indian, of 24, Second Street, Dr. Sivananda Nagar, Coimbatore-641012, Tamil Nadu, India, "Moped". July 8, 1976.

Class 1. No. 144487. Prakash Chandra, an Indian of 24, Second Street, Dr. Sivananda Nagar, Coimbatore-641012, Tamil Nadu, India, "Bicycle", July 8, 1976.

Class 3. Nos. 144380 to 144390. Rattanchand Harjasrai (Mouldings) Private Limited, 54-Industrial Area, Faridabad, Haryana, India, (A company incorporated under the Indian Companies Act), "A plate". June 14, 1976.

Class 10. No. 144420. Wearwell Footwear, 9/52, Kirti Nagar, New Delhi, Indian Partnership Concern, "The footwear". June 21, 1976.

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